

ROCKPORT

Making and Breaking the Grid

A Graphic Design Layout Workshop

Timothy Samara

Created as a layout workshop, **Making and Breaking the Grid** is divided into two parts—one, understanding and working with the traditional typographic grid, and two, deconstructing or ignoring that grid.

The first section, **Making the Grid**, begins with a thorough exposition of basic grid types, illustrating and defining the most common ones used in traditional design work. A selection of relevant projects shows how these grids organize information appropriate to each application and can provide a framework for composition.

The second part of the book, **Breaking the Grid**, focuses on designs that challenge grid-based notions of organization. A brief discussion addressing the breaking down of structure is followed by a second showcase of relevant projects—this time, showing the grid reworked or discarded in favor of alternative compositional approaches.

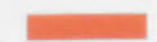
Historical overviews place the exhibited work in the context of the design profession's evolution, helping to clarify the conceptual and practical underpinnings of the methods that are being explored.

Working designers and students alike will find this book a valuable reference, as well as a source of inspiration for new approaches to laying out their projects.

DESIGNERS PRAISE MAKING AND BREAKING THE GRID:

- *"Clearly explains different ways of organizing information in the printed page...the best I have seen in a long time—bravo!"*
Massimo Vignelli / Vignelli Associates, New York City
- *"I appreciate the thoughtful way each piece is displayed with a reference to the grid used or not. The book is an excellent way to explain to designers and non-designers the impact of the grid in visual composition."*
Daniel Boyarski / Carnegie Mellon University, Pittsburgh
- *"A fine piece of work. I think it is a well-designed and very thoughtful volume, particularly useful to students... a book with integrity."*
Simon Johnston / Praxis, Los Angeles

Cover and text design by
Timothy Samara.



Making and Breaking the Grid

A Graphic Design Layout Workshop

Making and Breaking the Grid

Written, compiled, and
designed by

Timothy Samara

ROCKPORT
PUBLISHERS

GLOUCESTER MASSACHUSETTS

Understanding
structure
and freedom
in design,

from theory
into real-world
application

Making
and Breaking
the Grid

A Graphic Design Layout Workshop

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Thoughts on Structure: An Introduction

**For some
graphic designers,
it has become
an unquestioned
part of the
working process
that yields
precision, order,
and clarity.**

**For others,
it is symbolic of
Old Guard
aesthetic oppression,
a stifling cage
that hinders
the search for
expression.**

The **typographic grid** is an organizing principle in graphic design whose influence is simultaneously ingrained in current practice and fought over in design education, revered and reviled for the absolutes inherent in its conception.

It is a principle with roots in the oldest societies on the planet. Eking out an existence with some kind of meaning—and creating an understandable order for that meaning—is one of the activities that distinguishes our species from all others. Structural thinking, even before its latest codification through European and American Modernism, has been a hallmark of cultures struggling toward civilization. The Chinese, the Japanese, the Greeks and Romans, the Inca—all of these cultures have pursued structural ideas in laying out their towns, conducting warfare, and arranging images. In many instances, that structure was predicated on the notion of intersecting axes that corresponded to the intersection of sky and earth.

The grid instituted by Modernism restated that long-ingrained sense of order, formalizing it yet another degree and transforming it into an established part of design. The **typographic grid**—a fundamental tenet of the International Style—is an orthogonal planning system that parcels information into manageable chunks. The assumption of this system is that placement and scale relationships between informational elements—whether words or images—help an audience understand their meaning. Like items are arranged in similar ways so that their similarities are made more apparent and, therefore, more recognizable. The grid renders the elements it controls into a neutral spatial field of regularity that permits accessibility—viewers know where to locate information they seek because the junctures of horizontal and vertical divisions act as signposts for locating that information. The system helps the viewer understand its use. In one sense, the grid is like a visual filing cabinet.

As an institutionalized metaphor for all that is right in the world—the intersection of heaven and earth made manifest in every object it governs—the grid has also been imbued with an explicitly spiritual quality. Its early proponents among the European avant-garde fought zealously on its behalf: Theo van Doesburg’s mere tilting of the 90° de Stijl axis caused his partner, Piet Mondrian, to sever ties; Josef Müller-Brockmann, the grid’s Swiss champion in the 1950s and 1960s, defined its will to order in nearly canonical terms.

Recent years have seen the design profession come to the forefront of public consciousness as our culture reacts to new communications technology. In the information age, it’s become an especially important discipline. Within the design community, discussions of accessibility, gender, race, and other social concerns are given greater priority than simple conversations about form and organization; it’s hard to find that kind of discussion in the design industry any more. Given that form making and its organization are inextricably linked to the visual dissemination of information, however, it seems likely that this simple discussion could really be a bit more complex, perhaps even wrapping these same “bigger issues” that graphic designers have been giving more attention . . . an aesthetic ‘unconscious’ of sorts we’ve decided to ignore without realizing its fundamental hegemony.

For the graphic designers who helped society struggle to move forward after two unimaginable wars, order and clarity became their most important goals. Part of that order, of course, meant consumer comforts; and the businesses that provided them recognized soon enough that the grid could help organize their image, their corporate culture, and their bottom lines.

As the use of grids has changed from self-conscious gesture to that of second-nature reflex, so, too, has the viewing public become more accustomed to information presented to them in greater quantities, simultaneously, in greater complexity, and in more languages. And they’re not simply accustomed to it: they want it that way. The grid’s minimal simplicity is somewhat at odds with the kinetic, shifting surface of multi-media; information isn’t flat anymore, and the average person expects it to move, jump, twist, and make noise. Paradoxically, the corporations that clothed themselves in the grid’s neutral, utopian uniform helped create the oversaturated environment that is currently in demand.

The current era is a little bit like that of Victorian England during the first Industrial Revolution, in the sense that we’re living through

another paradigmatic shift in technology and culture:

Our appliances talk to us, our vision is global.

The world’s vast space has been reduced metaphorically as well as physically, and we’re learning to cope with an uncomfortable intimacy as the private self recedes and resources dwindle. Our own industrial revolution’s similarity to its antecedent continues, not unexpectedly, in its influence on the arts. A plurality of oft conflicting approaches in architecture, painting, filmmaking, and design reflects the general cultural confusion that pervades the beginning of this millennium.

Amid discussions of race and gender, conservation, political empowerment, and civil rights, perhaps a simple conversation about where to put things—the ‘mundane housekeeping’ of grid-based design—might have value again.

In the context of our new era of evaluating the course of the design profession on a smaller scale and of the culture at large, the unifying principle of the grid—as well as the value of other kinds of organizational ideas—is a topic that bears renewed consideration as a focus for discussion.

Using This Book

Although it’s a start, this book is by no means a theoretical treatise aimed at opening that discussion; it’s simply an overview of the subject of visual organization in graphic design. It can be valuable in different ways depending on the reader’s background. Designers who haven’t formally been introduced to grid use, or who usually avoid using them, may find inspiration to pursue new methods; designers who always use grids may reevaluate the organizing potential of more organic or spontaneous structures. To students, this book can be a valuable resource for seeing a diversity of related work in context, as well as a companion to the formal studies they may be undertaking.

The first section of this book, **Making the Grid**, exposes the reader to the grid’s development as an organizing principle and shows it in action. A historical essay and relevant works, arranged chronologically, help the reader trace the evolution of structurally oriented design. **Grid Basics** leads the reader through the essential mechanics of grid building, and the remainder of the section shows examples of completed projects whose design is inherently grid based.

The second section, **Breaking the Grid**, explores the alternatives: deconstruction of grid-based layouts, spontaneous composition, and organic organizational methods. Designers and students will learn how these layout approaches developed historically in tandem with structural methods. The majority of the second section shows contemporary design work that successfully violates the grid or ignores it altogether.

The project exhibits are each given a full spread for thorough exposition and their structures are simply diagrammed. Furthermore, projects with related structures, whether grid-based or not, are notated for comparison so that the reader can understand their similarities and differences more easily. A key at the beginning of each exhibit section clarifies the notation.

Overall, designers and students will benefit from seeing a wide range of exemplary real-world projects that take theory into practice.

Making

the Carrier

1

Coming to Order

A Brief History of the Grid in Modern Graphic Design

The history of the grid's development is convoluted and complex. Modern graphic design, as we know it, is a young profession, but incidences of grid use predate the Romans and the Greeks; a full exposition of that history would be impossible here. For our purposes, the grid that is used in Western graphic design evolved during the Industrial Revolution. Ideas circulate in artistic communities, however; trying to pinpoint the precise genesis of one does history a disservice. Gathered here is a rather simplified overview of a complicated process. Contributions by thousands of designers, over more than a century, have been generalized into a few pages; many have been overlooked or mentioned only briefly in passing. The bibliography at the end of this book will help interested readers pursue a more in-depth understanding of this intricate subject.

The Brave New World of Industry The grid's development over the past 150 years coincides with dramatic technological and social changes in Western civilization and the response of philosophers, artists, and designers to those changes. The Industrial Revolution that began in 1740s England changed the way people lived—its effect on our culture was fundamental. As the invention of mechanical power induced people to seek a living in cities, power shifted away from the land-owning aristocracy toward manufacturers, merchants, and the working class. Demand from an urban population with ever-increasing buying power stimulated technology, which, in turn, fueled mass production, lowered costs, and increased availability. Design assumed an important role in communicating the desirability of material goods. In addition, the French and American revolutions facilitated progress in social equality, public education, and literacy and helped to create a greater audience for reading material.

With this enormous psychographic change came aesthetic confusion. The Beaux-Arts tradition, much unchanged since the Renaissance and bolstered by the strong moral and spiritual convictions of the times, held on to its aesthetic contrivances and notions of neoclassical taste. A Victorian penchant for Gothic architecture merged oddly with exotic textures imported from the outreaches of the British Empire.

Contradictory design approaches and the need to supply the consuming masses with products reached a kind of plateau in 1856 when writer and designer Owen Jones produced *The Grammar of Ornament*, an enormous catalog of patterns, styles, and embellishments that were co-opted to mass-produce poorly made goods of questionable aesthetic quality.

Fitness of Purpose The English Arts and Crafts movement in architecture, painting, and design grew out of a reaction to this decline. At the movement's forefront was William Morris, a young student of privileged background who had become interested in poetry and architecture—and their seeming disconnection with the industrialized world. Morris was inspired by John Ruskin, a writer who insisted art could be the basis of a social order that improved lives by unifying it with labor, as it had in the Middle Ages. Together with Edward Burne-Jones, a fellow poet and painter, and Philip Webb, an architect, Morris undertook the revitalization of England's daily aesthetic life. Webb's design of Red House in 1860 for a just-married Morris organized the spaces asymmetrically, based on their intended uses, thereby dictating the shape of the facade. At the time, this idea was unheard of—the prevailing neoclassical model called for a box layout with a symmetrical facade.

Furthermore, no suitable furnishings existed for such a house. Morris was compelled to design and supervise the production of all its furniture, textiles, glass, and objects, becoming a master craftsman in the process. The company that resulted from this experience, Morris and Company, vigorously advocated the notion that fitness of purpose inspired form; their prolific output in textiles, objects, glass, and furnishings heralded a way of working that responded to content, was socially concerned, and paid utmost attention to the finished quality of the work, even when it was mass-produced.

Arthur Mackmurdo and Sir Emery Walker, two of Morris' contemporaries, directed his attention toward type and book design. Mackmurdo's periodical, *The Hobby Horse*, espoused the same qualities—a purposeful proportioning of space and careful control of type size, type selection, margins, and print quality—to which Morris had aspired, but in printed form. In 1891, Morris established the Kelmscott Press in Hammersmith, producing exquisitely designed books in which the typefaces, woodblock illustrations, and materials were designed for their aesthetic integration and ease of production. Morris's most ambitious project was *The Works of Geoffrey Chaucer*, produced in 1894. Its illustrations, display type blocks, and carved initials were integrated through size relationships, and its layouts conformed to an overall predetermined structure that dramatically unified the pages and allowed for faster production. This book signaled a transition from medieval block manuscript (which paradoxically provides its aesthetic framework) to modern page layout, where multiple types of information are integrated into an articulated space.

The Arts and Crafts style gained momentum and was transformed in a number of ways—evolving into the sensuously organic style known as Art Nouveau in France; as the painterly, more architectural Jugendstil in Germany and Belgium—as designers became accustomed to the effects of industrialization. They sought new forms of expression that would speak to the inventive spirit of the age.

The Architecture of Space Influenced by a trip to England, the work of American architect Frank Lloyd Wright began a systematic evolution away from the organic while continuing to embody the same Arts and Crafts ideals. Like Philip Webb, Wright's work expressed a view that space was the essence of design, in which “the part is to the whole as the whole is to the part, and which is all devoted to a purpose.” Proportional relationships, rectangular zones, and asymmetrical organization became guiding principles of what was becoming Modernism. A group of Scottish collaborators—two sisters, Frances and Margaret McDonald, and their husbands, James MacNair and Charles Rennie Macintosh, who had met as students at the Glasgow School of Art—translated the medieval

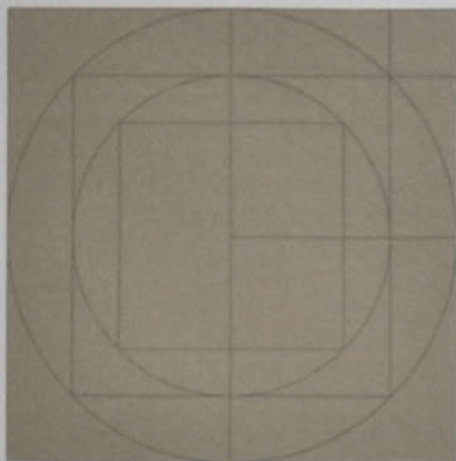
flair of Arts and Crafts into more abstract and geometric articulations of space. They became known as the Glasgow Four, and publication of their work in book arts, objects, and furniture design in the periodical *The Studio* popularized their ideas as far away as Vienna, Austria and Hamburg, Germany.

An Expanding Influence Peter Behrens, an aspiring young German architect, grew up in Hamburg under this new influence, as well as that of the Viennese Secession, a countermovement that drew its inspiration from the Glasgow Four and Wright. The Secession distinguished itself with even more rectilinear approaches to poster and book design, as well as architecture. Designers and architects like Josef Hoffman, Koloman Moser, and Josef Maria Olbrich pursued functional simplicity and eschewed decoration. In 1900, Peter Behrens moved to an artists' colony in Darmstadt, established by the Grand Duke of Hesse. One of the other seven artists invited by the Grand Duke and given land to build a house was Josef Maria Olbrich. Through the effort of designing his house and all of its contents, Behrens—like Morris, and in close aesthetic alignment with Olbrich—found himself caught up in the same rational movement that sought order and unity among the arts. Along with industrial design and furniture, he also began to experiment with book layout and the new sans serif typefaces that were beginning to appear from foundries like Berthold. His first book, *Celebration of Life and Art*, is believed to be the first running text set in a sans serif face. Although this book maintains a block-manuscript approach to the composition of the page, it follows in the footsteps of Morris's spatially conceived works of Chaucer and lays important groundwork for grid development in its use of sans serif type. The more uniform texture of sans serif letterforms creates a neutrality within text that emphasizes its shape against the surrounding white space; placement and interval assume greater visual importance.

Square and Circle
Grid diagram
Adapted from diagrams
of J.L. Mathieu Lauweriks

Behrens moved to Düsseldorf in 1903 to direct that city's School of Arts and Crafts, developing preparatory curricula that focused on fundamental visual principals and the analysis of compositional structure. 1904 was a pivotal year for Behrens and the school, when Dutch architect J.L. Mathieu Lauweriks joined the faculty. Lauweriks had evolved a systematic approach to teaching composition based on the dissection of a circle by a square, creating a grid of proportional spaces. Behrens saw that this system could be used to unify proportions within architecture and graphic design; in 1906, he applied this theory to his exhibition pavilion and poster for the Anchor Linoleum Company.

Rationalism, the Machine Aesthetic, and the Search for Universal Culture In 1907, Behrens received a landmark design commission from the German electrical works, AEG, to be the company's artistic advisor. At the same time, he participated in the launching of the Deutsche Werkbund, or German Association of Craftsmen. Inspired by Morris but embracing, rather than rebelling against, the machine, the Werkbund sought to invent a universal culture through the design



of everyday objects and furnishings. Behrens's industrial-design projects through the Werkbund coincided with his association with AEG. In addition to designing AEG's teakettles and lighting fixtures, he also designed their visual identity, the first known design system for an industrial corporation. Beginning with its logo, he designed a company typeface, color schemes, posters, advertisements, salesrooms, and manufacturing facilities. Every item was articulated over a specific set of proportions and linear elements, organizing AEG's visual presentation into a harmonic whole.

Constructivism The new visual language and its philosophy were attracting students and designers from abroad, as well as finding sympathetic participants. Russia's political upheaval of the early 1900s found a voice in abstraction; the pure geometry of a movement called Suprematism merged with Cubism and Futurism to generate Constructivism, an expression of Russia's quest for a new order. Seeking out instruction in Germany, a young Russian Constructivist, El (Lazar Markovich) Lissitzky, found himself in Darmstadt studying architecture, absorbing the rationalist aesthetic that was prevalent there. His studies kept him in Western Europe throughout World War I and for the duration of the Russian Revolution. In 1919, while the Bolsheviks were fighting for domination in the post-Tsarist civil war, Lissitzky went home and applied himself to politically driven graphic design that was characterized by dynamic, geometrically organized composition. His seminal poster, *Beat the Whites with the Red Wedge*, epitomizes the abstract communicative power of form and typifies the work of the Russian avant-garde from this period.

Kandinsky
Poster
Herbert Bayer
©2003 Artists Rights Society (ARS) New York/
VG Bild-Kunst, Bonn



The Bauhaus and the New Order As the war in Europe ended, designers and architects turned their attention to rebuilding and moving forward. In Germany, the 1919 reopening of the formerly prestigious Weimar Arts and Crafts School began with the appointment of architect Walter Gropius, one of Peter Behrens's former apprentices, as its new director. Gropius recast the school as the *Staatliches Bauhaus*—the State Home for Building. Here, experimentation and rationalism became the tools for building the new social order. Although the curriculum initially drew on expressionism—influenced by the *Blaue Reiter* painters who developed the preliminary training courses, Johannes Itten and Wassily Kandinsky—it gradually moved away from the personal and painterly.

The Bauhaus students and faculty became influenced by the Swiss painter Theo van Doesburg, whose *de Stijl* movement followed a strict dogma of geometry. Van Doesburg made contact with Gropius in 1920, and although Gropius decided against hiring him because of his overt dogma, van Doesburg contributed significantly to the aesthetic change in the Bauhaus by moving to Weimar and hosting discussions and lectures. Laszlo Moholy-Nagy, a Hungarian Constructivist, eventually replaced Itten as head of the preliminary course in 1923, when the Bauhaus moved to its new building in Dessau. In the type shop, Moholy's experimentation with asymmetrical layouts, photomontage, and elements from the type case expanded the geometric expression of Modernism in graphic

Europäisches Kunstgewerbe
Poster
Herbert Bayer
Courtesy of Reinhold-Brown Gallery
New York, NY

design. Moholy and a student, Herbert Bayer, used bars, rules, squares, and type asymmetrically composed on a grid as the basis of a new typography. Lissitzky returned from Russia numerous times, establishing contact with the Bauhaus and participating in lectures, book designs, and exhibitions. His 1924 book, *The Isms of Art*, is a watershed in grid development. Separated by heavy rules, the concurrently running text in three languages is organized into columns; images, captions, and folios are integrated into the overall structure, placed according to a distinct set of horizontal and vertical alignments.



Disseminating Asymmetry As pervasive as these developments in design seem, they had yet to be assimilated into mainstream design practice. The use of asymmetric composition, sans serif typefaces, and geometric organization of information were known to a relative few in the arts and education. For the most part, the commercial world was oblivious. Developments in American and European advertising had helped introduced columnar composition into production of newspapers and periodicals; most printers and designers, however, were still visually in the nineteenth century. A young calligrapher, Jan Tschichold, changed that. While working as a staff designer for the German publisher Insel Verlag, Tschichold happened upon the first Bauhaus exhibition of 1923. Within a year he had assimilated the school's typographic approach and abstract sensibility. In 1925, he designed a twenty-four-page insert for the *Typographische Mitteilungen*, a German printers' magazine, which demonstrated these ideas to a large audience of typesetters, designers, and printers. "Elementare Typographie," as it was titled, generated a tremendous enthusiasm for asymmetric and grid-based layout.

Tschichold advocated a reductive and intrinsically functional aesthetic. He asserted that stripping away ornament, giving priority to sans serif type that made the structure of letterforms explicit, and creating compositions based on the verbal function of words were goals that would liberate the modern age. Negative spaces, the intervals between areas of text, and the orientation of words to each other formed the basis for design consideration. Taking his cues from Lissitzky and the Bauhaus, he deliberately built his compositions on a system of vertical and horizontal alignments, introducing hierarchical grid structure to order and creating space in documents from posters to letterheads. As early as 1927, the year before he published his landmark *Die Neue Typographie (The New Typography)*, Tschichold codified this idea of structure and advocated its use to standardize printing formats. The current European DIN (*Deutsches Institut für Normung*, the German Institute for Standardization) system of paper formats—in which each format, folded in half, yields the next-smaller format—is based on this system.

Toward Neutrality The developing design aesthetic in Europe was abruptly sidetracked, however, in the 1930s. Designers and artists who used the new visual language were arrested or forced to leave as the Nazis gained power and labeled them degenerates. The Bauhaus officially closed in 1932, and Moholy-Nagy, Gropius, Mies van der Rohe (Peter Behrens's other apprentice from before WWI), Bayer, and others left the continent for America; Tschichold, after being arrested and held by the Nazis for a short period, moved to Switzerland.

Switzerland remained neutral and generally unaffected by the war; its mountainous terrain and iron grip on international banking kept it safe from being overrun by the Nazis. The Swiss economy had gradually come to depend on services and craftsmanship that it could export; the country's small size had also deeply ingrained a famous determination to create order. Zurich and Basel were the cultural centers of the country; Zurich's banking and technology industries were the counterpart to Basel's thousand-year artistic heritage of drawing and book arts.



Büro
Poster
Theo Ballmer
Courtesy of Reinhold-Brown
Gallery New York, NY

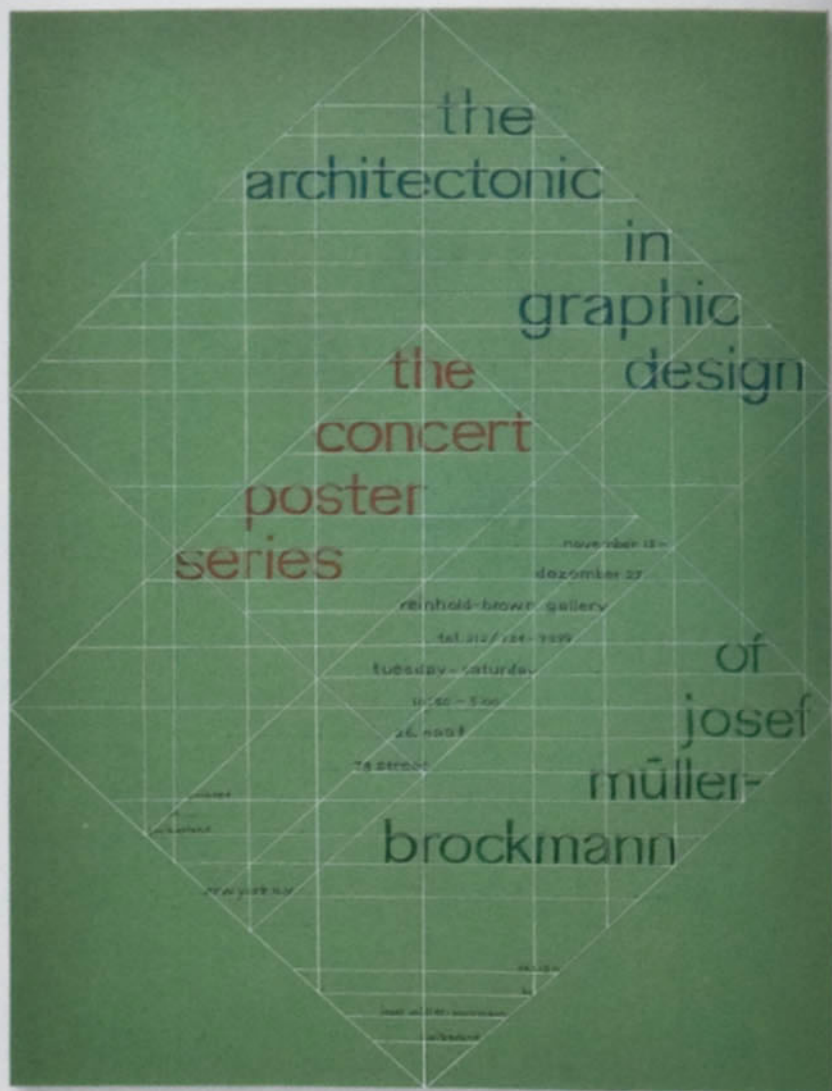


Along with Tschichold, several Bauhaus students had come to Switzerland. Max Bill, who had begun school at the Kunstgewerbeschule in Zurich and had studied at the Bauhaus between 1927 and 1929, returned home in 1930; another Bauhaus student, Theo Ballmer, had also worked in the type shop. The influence of Ballmer, Tschichold, and Bill was strong. While Swiss designers had been developing a tradition that emphasized reductive techniques and simplification, that direction had focused on symbolic representation, epitomized by the work of *plakatslil* designer Ernst Keller. Tschichold eventually turned to a classical typographic approach with more humanist attributes, but until the early 1940s he was still an advocate of asymmetry and grid-based composition. Ballmer and Bill continued to develop constructive ideas in their work based on strict mathematical measurement and spatial division. Max Bill's contribution was twofold: first, by applying his math-based theories to professional projects in advertising and corporate identity; and second, by instituting the grid through helping to found the Ulm School of Applied Arts in Germany in 1950. Bill's work and teaching would help to ingrain the grid in generations of designers.

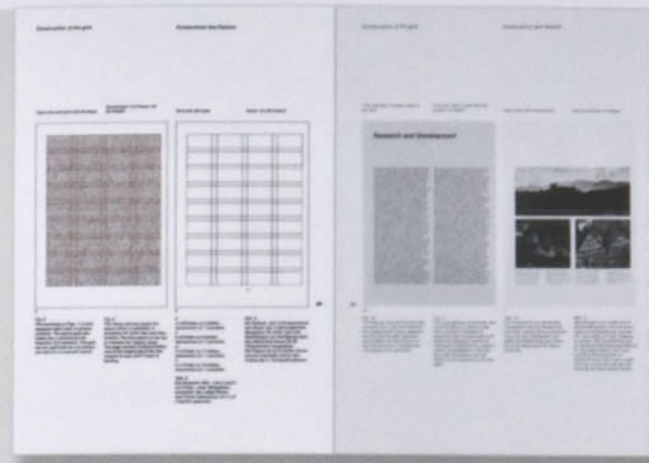
The Architectonic in Graphic Design
Poster
Josef Müller-Brockmann
Courtesy of Reinhold-Brown Gallery
New York, NY

Neue Grafik and the Will to Order This more austere approach was also taken up by Josef Müller-Brockmann, Carlo Vivarelli, Hans Neuberg, and Richard Paul Lohse who, in their individual practices, were actively seeking a universal visual expression. As editors of the Zurich-published *Neue Grafik*, they collaborated in exposing this international style to the rest of the world. The grid created for *Neue Grafik* contained four columns and three horizontal bands, or spatial zones, which organized all of the content, including images. When it was first iterated, *Neue Grafik* marked a development in grid-based design that was already in the making: the realization of a module—a small unit of space which, through repetition, integrates all parts of a page. The width of a module defines a column-width, and its height defines the depth

of paragraphs and, therefore, rows. Groups of modules are combined into zones that may be assigned a given purpose. In complex publishing projects, exhibits, and single-format posters, Müller-Brockmann and his colleagues developed modular systems from the content of their projects and implemented them with rigorous discipline. Müller-Brockmann forsook imagery in favor of pure constructions of type based on grids. In 1960, he published his first book *The Graphic Artist and His Design Problems* in which he first describes this form of grid-based design. His second book *Grid Systems in Graphic Design* is nothing short of a manifesto: "The grid system implies the will to systematize, to clarify, the will to penetrate to the essentials... the will to cultivate objectivity rather than subjectivity."



Grid Systems in Graphic Design
Book spread
Josef Müller-Brockmann
Originally published by
Niggli Verlag, Zurich, 1962

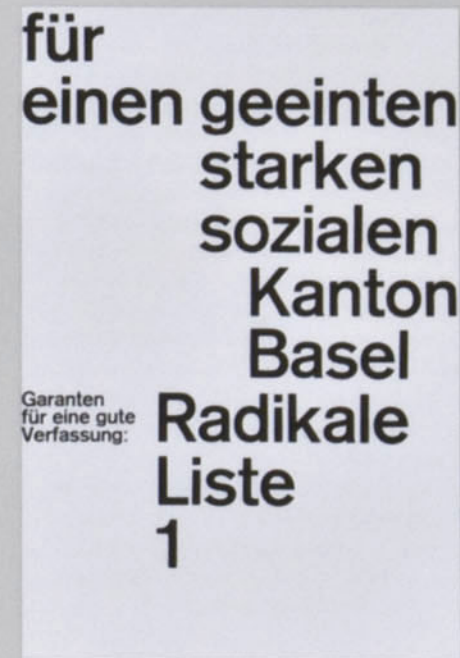


The New Swiss Film
Poster
Josef Müller-Brockmann
Reproduced from *Grid Systems in Graphic Design*, published by Niggli Verlag, Zurich, 1962



The Basel School In Basel, the *Allgemeine Gewerbeschule* (or Basel School of Design) was contributing to the development of the International Style through an approach that appeared to be somewhat at odds with that of Zurich designers. Its director, Armin Hoffmann, had been a student of Ernst Keller's, and fostered an intuitive method of composition based on symbolic form and contrasts between optical qualities in abstraction: light and dark, curve and angle, organic and geometric. Integrating type with image played an important role in the school's curriculum, however. In 1947, Zurich-trained Emil Ruder joined the AGS as a typography teacher. Ruder advocated a balance between form and function, rigorously exploring the nuances of typeface and optical contrast in addition to systematic, overall grid structures. His methodology instilled an exhaustive process of visual problem solving in his students that helped further the dissemination of the grid. One of these many students was Karl Gerstner, who went on to form his own practice in Zurich and contributed to the evolution of the grid into a mainstay of modern design practice. In 1968, Gerstner published his first book, *Designing Programmes*. "The typographic grid," he wrote, "is a proportional guideline for text, tables, pictures, etc. It is a formal program a priori for 'x' unknown contents. The problem: to find the balance between a maximum of conformity with a maximum of freedom. Or: the highest number of constants combined with the greatest possible variability."

Radikale Liste 1
Poster
Emil Ruder
Reproduced from *Typography*, published by Niggli Verlag, Zurich, 1960



The Corporate Grid Grid use began to dominate European and American design during and after the 1960s. It was an especially effective way to orchestrate communications programs for large organizations, events, or corporations. Max Bill, Müller-Brockmann, Otl Aicher, and other exponents of the International Style were joined in their efforts by their Dutch, English, Italian, German, and American counterparts. In the Netherlands, the movement toward rational, program-oriented design was spearheaded by Wim Crowel, Ben Bos, and Bruno Wissing, whose firm Total Design became a model in its practice of grid-based communications programs for corporations and cultural institutions. In America, students of the Swiss schools and a number of European emigrants were bringing

Worm Gevers
Designers
Poster
Wim Crouwel
Courtesy of Total Design,
Amsterdam

UniGrid
Publication system
Massimo Vignelli
Courtesy of Massimo Vignelli

Piccolo Teatro di Milano
Theater season schedule
Massimo Vignelli
Courtesy of Massimo Vignelli

Design in Michigan
Poster, one of a series
Katherine McCoy
Courtesy of Katherine McCoy

Citibank
Corporate identity manual
Anspach Grossman Portugal
Courtesy Enterprise IG

Octavo
Publication
8vo
Courtesy of Simon Johnston

the International Style—and the grid—to a vast audience. Paul Rand, the pioneer of Modern design in America in the early 1940s, had been instrumental in convincing business that design was good for them; his clients and those of other designers had gradually become familiar with the idea of systems to help organize their public images. In his 1965 design manuals for Westinghouse, Rand developed complex grids to ensure continuity in such diverse media as packaging, print advertising, and television. The German designer Otl Aicher implemented a program of even greater precision for Lufthansa, the German airline. Collaborating with Tomás Gonda, Fritz Quereng, and Nick Roericht, Aicher anticipated Lufthansa's every potential need, standardizing formats and rigorously enforcing the grid to unify communications of different scale, materials, and production constraints. Detailed manuals and measurements ensured visual uniformity in every application.

The idea of a totality in design, based on a grid, also found expression in the work of Massimo Vignelli and his wife, Lella, who had founded an office for design in Milan in 1960. Both trained as architects, they established their vision of a seamlessly organized, systematic structural approach early in their careers. Massimo, in particular, had begun extensive exploration of grid structures for various cultural organizations and corporate entities in Milan. These early projects guided Vignelli toward an approach that focused on dividing space within a modular grid into semantically distinct zones. The additional system of division allowed greater focus within the overall modular structure, helping to clarify these horizontal divisions visual weight in the form of solid bands, the eye could be taught to direct itself to find specific information. Vignelli helped found the design collaborative Unimark International in 1965, following his belief that design should reject the individual impulse for expression in favor of developing overall systems. Growing to roughly four hundred employees in forty-eight countries, Unimark systematized and standardized communications for a legion of corporate giants, among them Xerox, J.C. Penney, Alcoa, Ford, and Steelcase. In 1971, Massimo and Lella established Vignelli Associates in New York after Unimark disbanded. Their new company pursued a similar philosophy; the grid formed

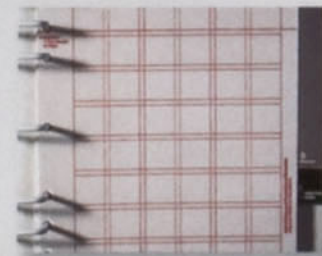
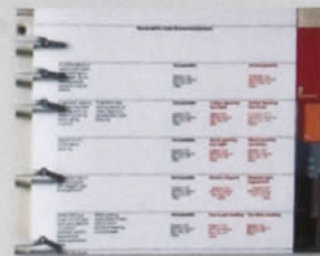
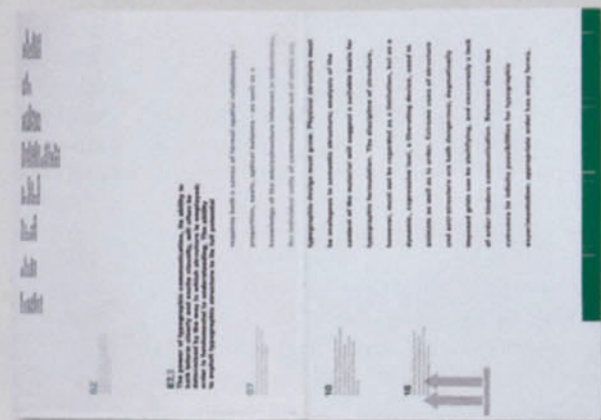


the underpinning of many of their endeavors in corporate identity, publication, and book design and interiors. In 1977, as part of the United States Government's Federal Design Improvement Program, Vignelli developed a system to unify publications for the National Park Service. Called Unigrd, the system established a modular grid, divided by horizontal bands, which encompassed twelve formats and could be imposed on a single standard-sized sheet of paper. This organization reduced paper waste, production time, and a number of other problems, allowing individual designers within and outside the National Park Service to concentrate on the creative aspects of designing individual brochures and posters.

By the late 1970s, formatting corporate communications in a grid was an expected approach to achieving visual continuity. Corporate identity firms like Anspach Grossman Portugal in New York City typified this approach with its 1976 identity program for Citibank and similar corporate clients. The International Style had come to be an accepted part of what graphic design was about. Designers also began to use the grid as an end in itself, and they exploited the visual potential of the form for its own sake. Radical experimentation based on grid structures during the 1980s and 1990s eventually led to examination of other kinds of organizational methods; designers and design educators like April Greiman (who studied typography in Basel) and Katherine McCoy (an industrial designer who came to graphic design through an early stint at Unimark), spearheaded explorations outside the realm of rational structure. This kind of deconstruction was also eventually assimilated into common practice alongside strictly grid-based work and other entirely antistructural ideas.

The grid has come to be seen as one of many tools that designers can use to help them communicate. In the 1980s and 1990s, the British design group 8vo helped reestablish awareness of structural thinking through their periodical journal Octavo, which addressed typographical issues in a series of eight editions. Amidst a proliferation of new approaches that owes some debt to the digital revolution, newer firms like MetaDesign, Una, and Method have steadfastly continued to investigate organizational methods that derive from the International Style.

As we move into the twenty-first century, the use of grids that developed in Europe over the last 150 years has continued to play a role in graphic design. The Internet has proven to be a medium that can benefit from grid-based thinking as a way of simplifying the vertiginous act of navigating through interactive information. How media and design will develop over the next 150 years is difficult to imagine, given its recent pace—but the typographic grid is likely to help designers structure communications for some time to come.



Henry Magaziner
Typography exercises
Students of Chris Myers,
University of the Arts,
Philadelphia:
Adam Hetherington
Nikki Scoggins
Jesse Taing

Grid Basics

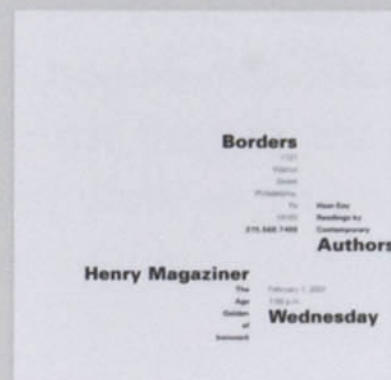
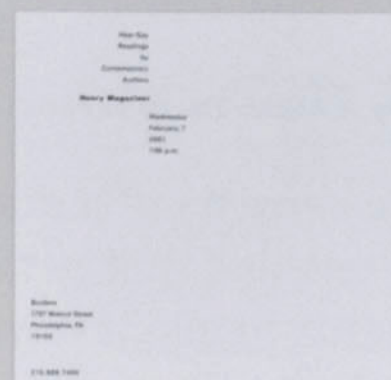
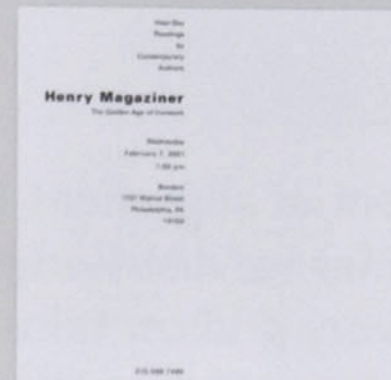
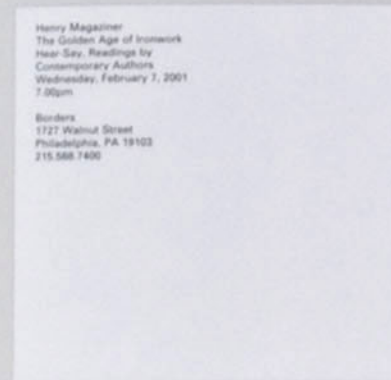
A Workshop in Structural Designing

All design work involves problem solving on both visual and organizational levels. Pictures and symbols, fields of text, headlines, tabular data: all these pieces must come together to communicate. A grid is simply one approach to bringing those pieces together. Grids can be loose and organic, or they can be rigorous and mechanical. To some designers, the grid represents an inherent part of the craft of designing, the same way joinery in furniture making is a part of that particular craft. The history of the grid has been part of an evolution in how graphic designers think about designing, as well as a response to specific communication and production problems that needed to be solved. A corporate literature program, for example, is a late twentieth-century problem with complex goals and requirements. Among other things, a grid is suited to helping solve communication problems of great complexity.

The benefits of working with a grid are simple: clarity, efficiency, economy, and continuity.

Before anything else, a grid introduces systematic order to a layout, distinguishing types of information and easing a user's navigation through them. Using a grid permits a designer to lay out enormous amounts of information, such as in a book or a series of catalogues, in substantially less time because many design considerations have been addressed in building the grid's structure. The grid also allows many individuals to collaborate on the same project, or on series of related projects over time, without compromising established visual qualities from one project to the next.

How do grids work?
When are they appropriate?
Why use them at all?



Breaking the Page into Parts Building an effective grid for a given project means thoughtfully assessing that project's specific content in terms of the visual and semantic qualities of typographic space.

Typographic space is governed by a series of part-to-whole relationships. The single letter is a kernel, part of a word. Words together create a line: not just a line of thought but a line on the page, a visual element that establishes itself in the spatial field of the format. Placing a line of type in the blank landscape of a page instantly creates a structure. It's a simple structure, but one with a direction, a movement and, now, two defined areas of space: one space above the line and one space below.

One line after another, after another, becomes a paragraph. It's no longer simply a line, but a shape with a hard and a soft edge. The hard edge creates a reference to the page, and as it stretches out in depth, the paragraph becomes a column, simultaneously breaking space and becoming a space in itself. Columns repeated or varied in proportion create a rhythm of interlocking spaces in which the format edge is restated, countered, and restated again. The voids between paragraphs, columns, and images help to establish the eye's movement through the material, as do the textural mass of the words they surround.

Alignments between masses and voids visually connect or separate them. By breaking space within the compositional field, the designer stimulates and involves the viewer. A passive composition, where intervals between elements are regular, creates a field of texture that is in

Exploring the basics of typographic construction helps yield an understanding of the dynamic visual qualities that are inherent in the forms themselves. Within the format, alignments between elements

create structure. In these compositions, space is divided based on content: like information is grouped together, disparate information is separated.

Changes in weight and scale introduce hierarchy—visual ordering—to the information. Sometimes the kind of information listed in a particular column is called out through the use of bolder weight; sometimes

a shift in alignment signals a change in importance. Within strict limitations, an enormous variety of possible layouts can be imagined. These, for example, all use the same type family and many of them use one size.

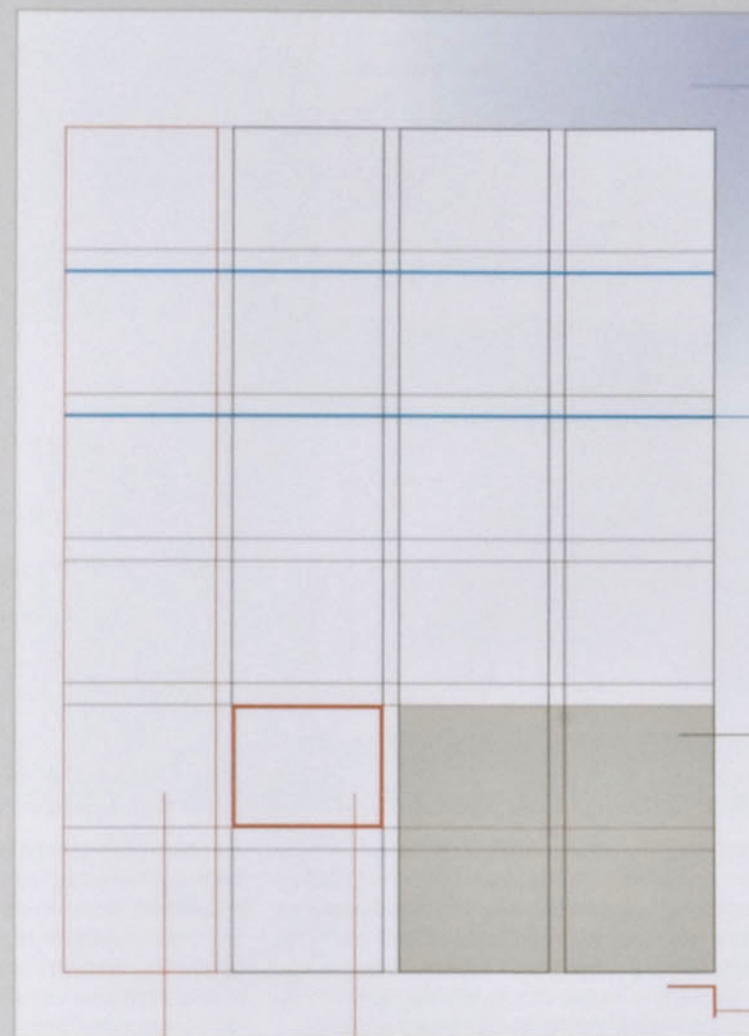
Anatomy of a Grid: The Basic Parts of a Page

A grid consists of a distinct set of alignment-based relationships that act as guides for distributing elements across a format. Every grid contains the same basic parts, no matter how complex the grid becomes. Each part fulfills a specific function; the parts can be combined as needed, or omitted from the overall structure at the designer's discretion, depending on how they interpret the informational requirements of the material.

Building an Appropriate Structure Working with a grid depends on two phases of development. In the first phase, the designer attempts to assess the informational characteristics and the production requirements of the content. This phase is extremely important; the grid is a closed system once it is developed, and in building it the designer must account for the content's idiosyncrasies, such as multiple kinds of information, the nature of the images, and the number of images. Additionally, the designer must anticipate potential problems that might occur while laying out the content within the grid, such as unusually long headlines, cropping of images, or dead spots left if the content in one section runs out.

The second phase consists of laying out the material according to the guidelines established by the grid. It's important to understand that the grid, although a precise guide, should never subordinate the elements within it. Its job is to provide overall unity without snuffing out the vitality of the composition. In most circumstances, the variety of solutions for laying out a page within a given grid are inexhaustible, but even then it's wise to violate the grid on occasion. A designer shouldn't be afraid of his or her grid, but push against it to test its limits. A really well-planned grid creates endless opportunities for exploration.

Every design problem is different and requires a grid structure that addresses its particular elements. There are several basic kinds of grid, and as a starting point, each is suited to solving certain kinds of problems. The first step in the process is to consider which type of basic structure will accommodate the project's specific needs.



Margins are the negative spaces between the format edge and the content, which surround and define the live area where type and images will be arranged. The proportions of the margins bear a great deal of consideration, as they help establish the overall tension within the composition. Margins can be used to focus attention, serve as a resting place for the eye, or act as an area for subordinate information.

Flowlines are alignments that break the space into horizontal bands. Flowlines help guide the eye across the format and can be used to impose additional stopping and starting points for text or images.

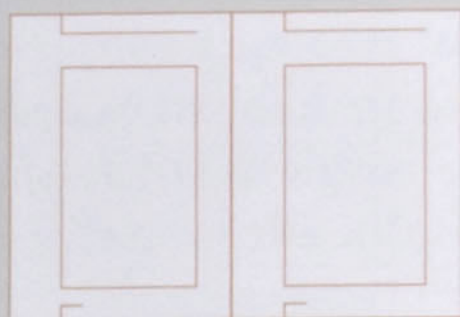
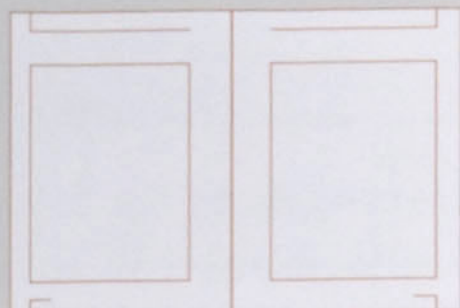
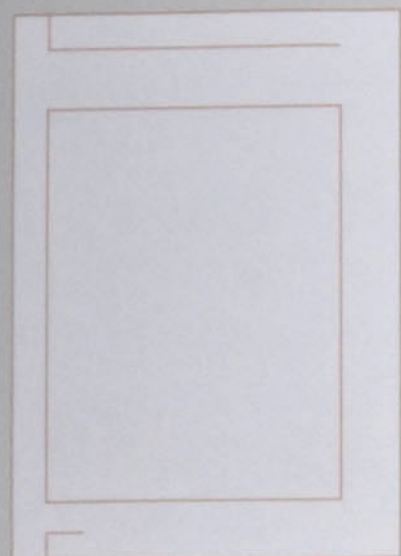
Spatial zones are groups of modules that together form distinct fields. Each field can be assigned a specific role for displaying information; for example, a long horizontal field might be reserved for images, and the field below it might be reserved for a series of text columns.

Markers are placement indicators for subordinate or consistently appearing text, like running heads, section titles, folios, or any other element that occupies only one location in any layout.

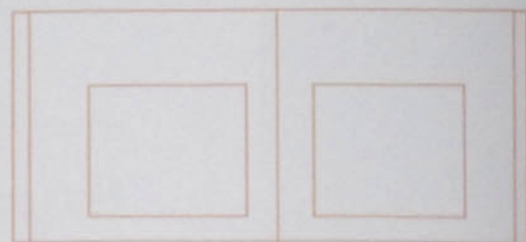
Columns are vertical alignments of type that create horizontal divisions between the margins. There can be any number of columns; sometimes they are all the same width, and sometimes they are different widths corresponding to specific information.

Modules are individual units of space separated by regular intervals which, when repeated across the page format, create columns and rows.

Simple variations in margin size hint at the possibilities in this simplest of grid types.



Dramatic margins create unexpected interest within this otherwise conventional manuscript grid.



Manuscript Grid

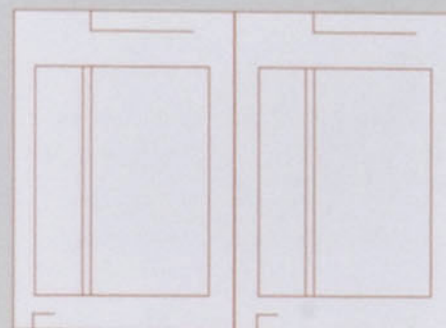
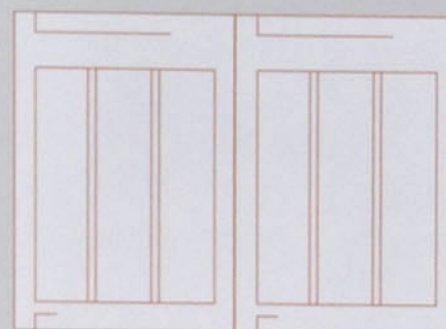
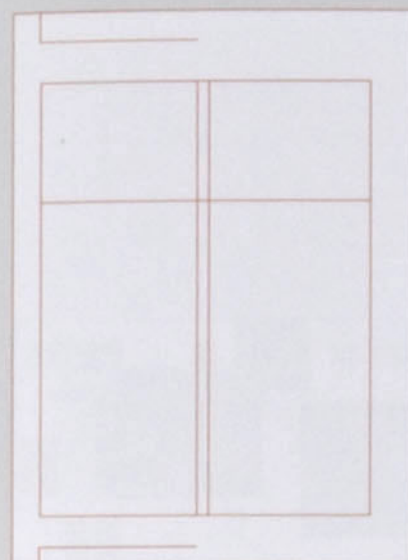
The block, or manuscript, grid is structurally the simplest kind of grid. As its name implies, its base structure is a large rectangular area that takes up most of the page. Its job is to accommodate extensive continuous text, like a book or long essay, and it developed from the tradition of written manuscript that eventually led to book printing. It has a primary structure—the text block and the margins that define its position on a page—as well as a secondary structure that defines other essential details—the locations and size relationships of the running header or footer, chapter title, and page numbers, along with an area for footnotes, if appropriate.

Even within such a simple structure, care must be taken so the continuous type-texture can be read comfortably page after page. A large volume of type is essentially a passive gray composition. Creating visual interest, comfort, and stimulation is important to continuously engage the reader and to keep the eye from tiring too rapidly during long reading sessions.

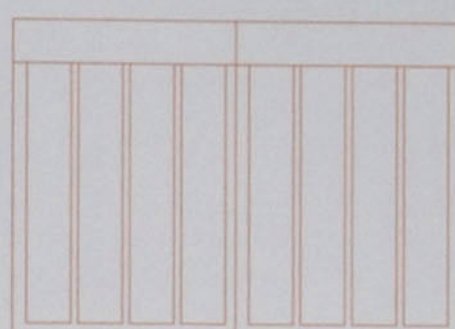
Adjusting the proportions of the margins is one way of introducing visual interest. Within a two-page spread, the interior margins have to be wide enough to prevent the text from disappearing down into the gutter. Classical grids mirror the text blocks left and right around a wider gutter margin. Some designers use a mathematical ratio to determine a harmonic balance between the margins and the weight of the text block. In general, wider margins help focus the eye and create a sense of calm or stability. Narrow lateral margins increase tension because the live matter is in closer proximity to the format edge. Although traditional manuscript grids use margins that are symmetrical in width, it's just as acceptable to create an asymmetrical structure, wherein the margin intervals are different. An asymmetrical structure introduces more white space for the eye to use as an area of rest; it may also provide a place for notes, spot illustrations, or other editorial features that don't occur regularly and, therefore, don't really warrant the articulation of a true column.

The size of the text type in the block—as well as the space between lines, words, and treatments of subordinate material—is of incredible importance. Considering the size of the text type and its spacing characteristics allows the designer to add additional visual interest by treating the subordinate material in contrasting yet subtle ways. Remember that tiny shifts in typographic color, emphasis, or alignment create enormous differences in how they're perceived in the overall hierarchy of the page; in this case, less is usually more effective.

Three-column grids and asymmetrical one/two-column grids are common in editorial layout.



A precise four-column grid doesn't necessarily preclude dynamic layout. In this particular spread, the scale change of typographic elements is a foil to the grid.



Column Grid

Information that is discontinuous benefits from being organized into an arrangement of vertical columns. Because the columns can be dependent on each other for running text, independent for small blocks of text, or crossed over to make wider columns, the column grid is very flexible and can be used to separate different kinds of information. For example, some columns may be reserved for running text and large images, while captions may be placed in an adjacent column: this arrangement clearly separates the captions from the primary material, but allows the designer to create a direct relationship between the captions and the primary material.

The width of the columns depends on the size of the running text type. The goal is to find a width that accommodates a comfortable number of characters in one line of type at a given size. If the column is too narrow, excessive hyphenation is likely, and it will be difficult to achieve a uniform rag. At the other extreme, a column that is too wide for a given point size will make it difficult for the reader to find the beginnings

of sequential lines. By studying the effects of changing the type size, leading, and spacing, the designer will be able to find a comfortable column width. In a traditional column grid, the gutter between columns is given a measure, x , and the margins are usually assigned a width of twice the gutter measure, or $2x$. Margins that are wider than the column gutters focus the eye inward, easing tension between the column edge and the edge of the format. There are no rules, however, and designers are free to adjust the column-to-margin ratio to suit their tastes or intentions.

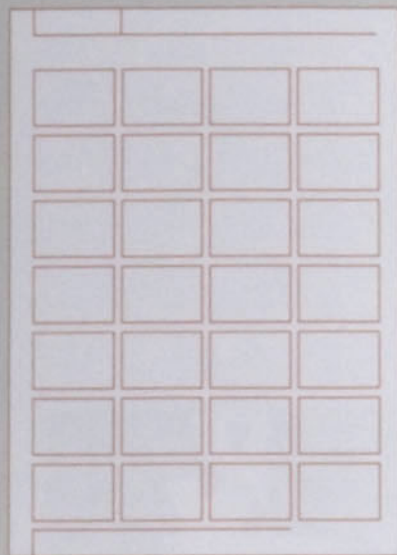
In a column grid, there is also a subordinate structure. These are the flowlines: vertical intervals that allow the designer to accommodate unusual breaks in text or image on the page and create horizontal bands across the format. The hangline is one kind of flowline: the topmost capline of the running text content. It defines the vertical distance from the top of the format at which column text will always start. Sometimes, a flowline near the top of the page

establishes a position for running headers, the pagination, or section dividers; additional flowlines in the middle or toward the bottom of the format can establish areas that the designer decides are for images only or for different kinds of concurrent running text, like a timeline, a subarticle, or a pull-quote.

When several kinds of information being handled in juxtaposition are radically different from each other, one option is to design a distinct column grid for each kind instead of attempting to build a single column grid. The nature of the information to be displayed might require one component grid of two columns and a second grid of three columns, both with the same margins. In this compound column grid, the middle column of the three-column grid straddles the gutter between the columns of the two-column grid. A compound column grid can be made up of two, three, four, or more distinct component grids, each devoted to content of a specific type.

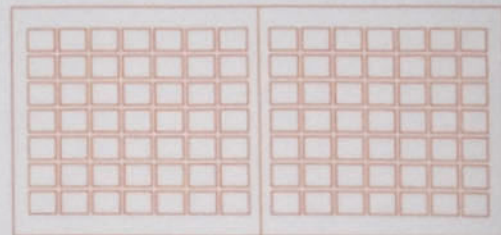
The Guardian
Newspaper
Pentagram UK

Headlines, pictures, and
captions are all streamlined
for production by this
newspaper's modular grid.



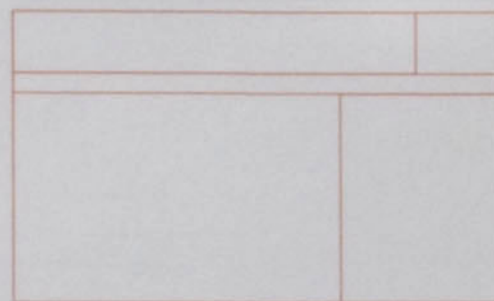
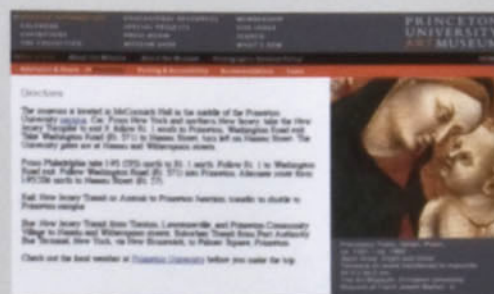
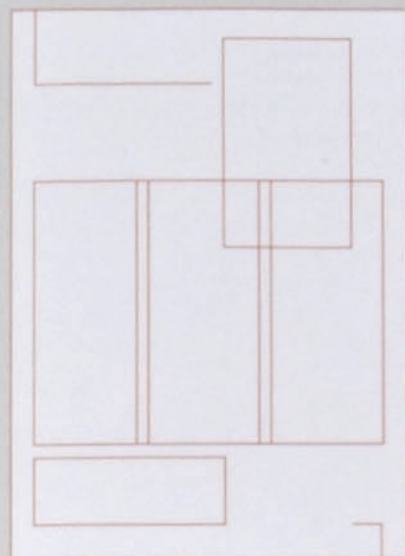
The Motown Album
Book
Sheila delBretteville

An enormous variety of
picture formats, text and
captions are unified in a
"scrapbook" presentation
in this picture book.



www.princetonart.org
Internet site
Swiss Design

Web pages are the most
common example of hierarchic
grids. The alignments change
depending on the content but
remain proportionally integrated.



Modular Grid

Extremely complex projects require a degree of control beyond what a column grid will provide, and in this situation, a modular grid may be the most useful choice. A modular grid is essentially a column grid with a large number of horizontal flowlines that subdivide the columns into rows, creating a matrix of cells called *modules*. Each module defines a small chunk of informational space. Grouped together, these modules define areas called *spatial zones* to which specific roles may be assigned. The degree of control within the grid depends on the size of the modules. Smaller modules provide more flexibility and greater precision, but too many subdivisions can become confusing or redundant.

The module's proportions can be determined in any number of ways. Sometimes, for example, the module might be the width and depth of one average paragraph of the primary text at a given size. Modules can be vertical or horizontal in proportion, and this decision can be related to the kinds of images being organized or to the

desired overall stress the designer feels is most appropriate. The margin proportions must be considered simultaneously in relation to the modules and the gutters that separate them. Modular grids are most often used to coordinate extensive publication systems. If the designer has the opportunity to consider all (or most) of the materials that are intended to be produced within a system, the formats can become an outgrowth of the module or vice versa. By regulating the proportions of the formats and the module in relation to each other, the designer achieves several goals. The interrelationship of the formats means they can be used harmoniously together; the formats are more likely to be able to be produced simultaneously and, therefore, much more inexpensively.

A modular grid also lends itself to the design of tabular information, like charts, forms, schedules, or navigation systems. The rigorous repetition of the module helps to standardize space in tables or forms and can also help to integrate them with the structure of surrounding text and image material.

Aside from its practical uses, the modular grid has developed a conceptual, aesthetic image that some designers find attractive. Between the 1950s and 1980s, the modular grid became associated with ideal social or political order. These ideals have their roots in the rationalist thinking of the Bauhaus and Swiss International Style, which celebrate objectivity and order, reduction to essentials, and clarity of form and communication. Designers who embrace these ideals sometimes use modular grids to convey this rationalism as an interpretive overlay to a given communication. Even projects with simple informational needs or single formats can be structured with a rigid modular grid, adding additional meaning of order, clarity, and thoughtfulness or an urban, mathematical, or technological feel.

Hierarchical Grid

Sometimes the visual and informational needs of a project require an odd grid that doesn't fit into any category. These grids conform to the needs of the information they organize, but they are based more on an intuitive placement of alignments customized to the various proportions of the elements, rather than on regular repeated intervals. Column widths, as well as the intervals between them, tend to vary.

Developing a hierarchical grid begins by studying the various elements' optical interaction in different positions spontaneously, and then by determining a rationalized structure that will coordinate them. Careful attention to the nuances of weight change, size change, and position on the page can yield an armature that is repeatable over multiple pages. Sometimes a hierarchical grid unifies disparate elements or creates a superstructure that opposes organic elements in a single-instance format like a poster. A hierarchical grid can also be used to unify sides of packages or to create new visual arrangements if they're displayed in groups.

Web pages are examples of hierarchical grids. During the Web's early development, many of the variables of Web-page composition were unfixable because of the end user's browser settings. Even today, with the control to establish fixed margins, the dynamic content that drives most Web sites, along with the continued option of resizing the browser window, requires a flexibility of width and depth that precludes a strict modular approach, but still requires a standardization, or templating, of alignments and display areas.

This kind of grid, whether used to build books, posters, or Web pages, is an almost organic approach to the way information and elements are ordered that still holds all of the parts together architecturally in typographic space.

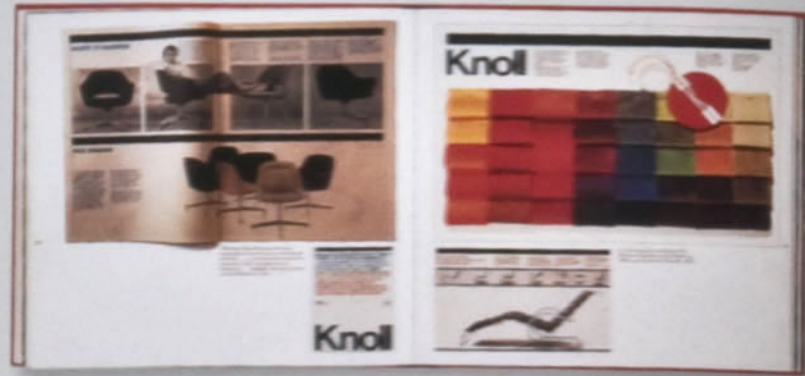
Variation and Violation Sequencing in Grid-Based Layouts

A grid is truly successful only if, after all of the literal problems have been solved, the designer rises above the uniformity implied by its structure and uses it to create a dynamic visual narrative of parts that will sustain interest page after page. The greatest danger in using a grid is to succumb to its regularity; it's important to remember that the grid is an invisible guide that exists on the "bottommost level" of the layout; the content happens on top of it, sometimes constrained and sometimes free to move. Grids don't make dull layouts—designers do.

Once a grid is in place, it's a good idea to sort all of the project's material spread by spread to see how much is appearing in each. A storyboard of thumbnails for each spread in the project (or each frame of an animation or each Web page) can be very helpful for getting a sense of what content is going where, what content or imagery still needs to be developed, and what each spread will look like in tandem with the others. Here, the designer can test layout variations on the grid and see the result in terms of pacing—the rhythm of the layouts. Can there be a visual logic to how elements interact with the grid from page to page? For example, do pictorial elements alternate in position from one spread

to another? Is there a rhythm to how the overall darkness and lightness of each spread relates to the others? Perhaps there's a slow build from simple to more complex arrangements or a staggered, dynamic alternation of density over the range of spreads.

By creating a rhythmic or sequential logic among the spreads in the way they relate to the grid, each spread can have a distinct visual presentation but still work as part of the whole. The parts have unity imparted by the grid working underneath them.

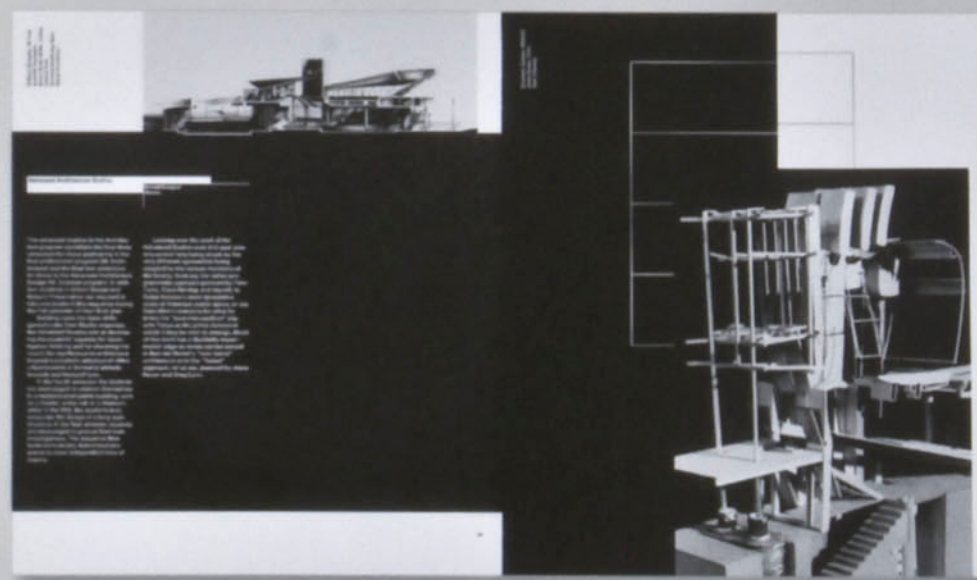
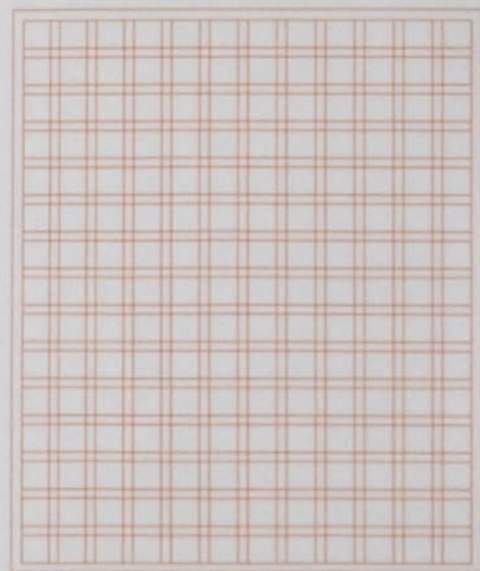
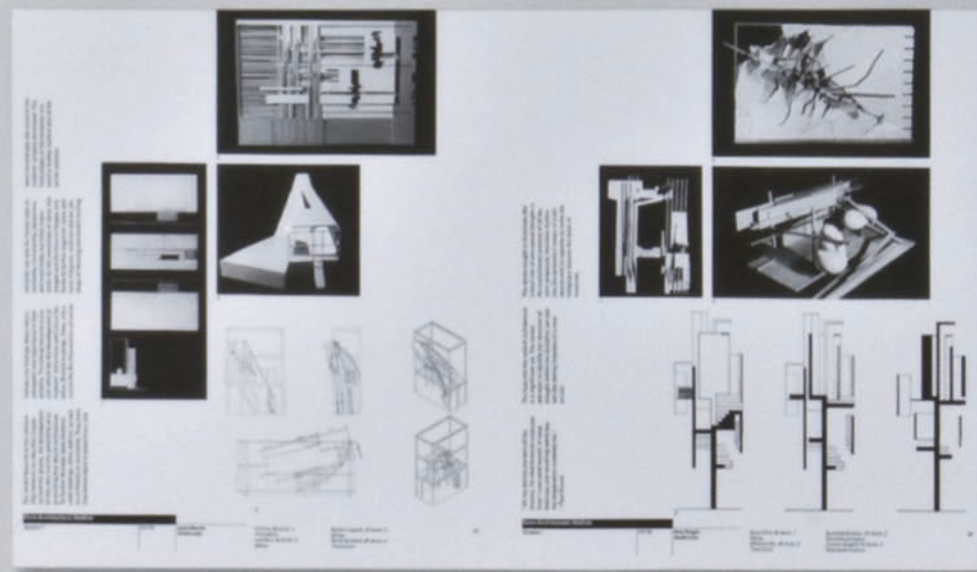


The effective use of a simple modular column grid is clearly demonstrated by the page spreads of this book. The grid is very regular, but the designer's use of alternating spatial zones for the

locations of images from page to page accomplishes three goals: the variation in placement of images creates visual interest; it serves to reinforce the grid by making its presence known in

multiple ways; and it creates a rhythmic sense of unity between the pages, a pacing and cadence that adds to the experience of reading and seeing.

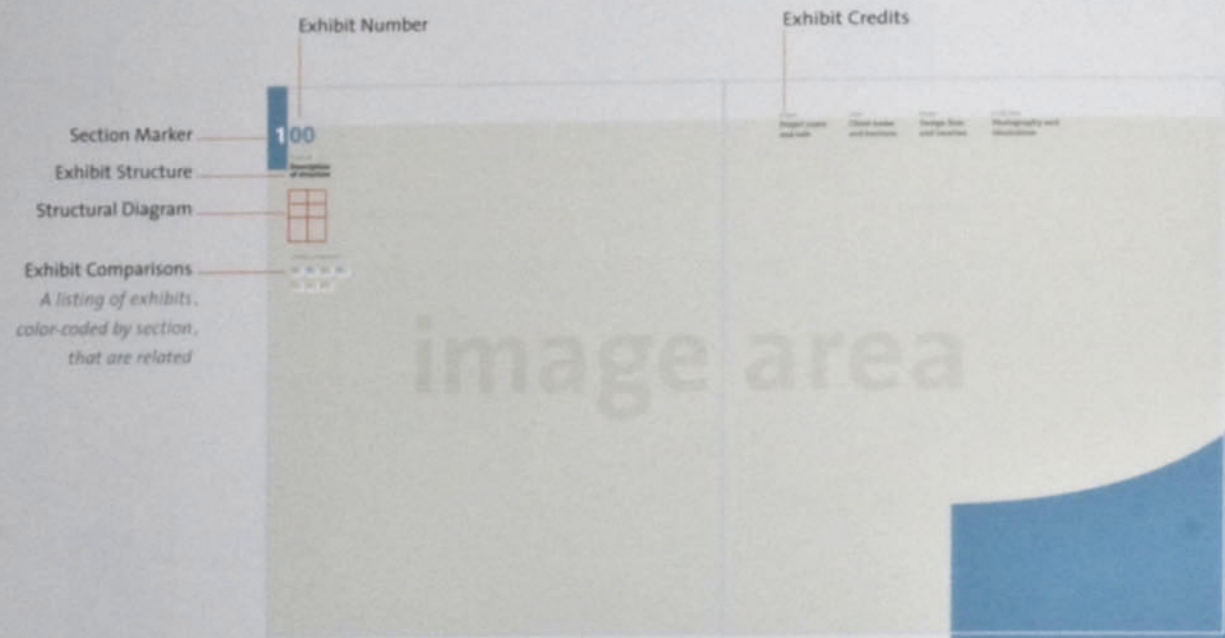
The designer articulates this modular grid in two distinct ways to give character to individual sections. The page spread at top shows building models, diagrams, and notes on a white field, where parcels of information are rigorously bound to the module's proportions. In the page spread below, the module is subordinated to dramatic divisions of space where columnar information and photographic images are allowed to float in a dynamic, indeterminate environment.



Key to Exhibit Notation

The diagram below shows a typical page spread for the Exhibit sections. The notations provided for each exhibit feature selected information for quick reference and a simple system for comparing related works in both sections (see also *Breaking the Grid, Exhibits*, page 128), grid-based or not.

These comparisons are meant as a catalyst for analysis. Sometimes the relationship between exhibits being compared is plainly structural, at other times it's less explicit; in some cases, the comparison is between exhibits that show opposing qualities.



Exhibits

Grid-Based Design Projects

Making

structure

Manuscript grid [overall], instances of column grid

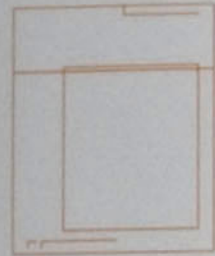
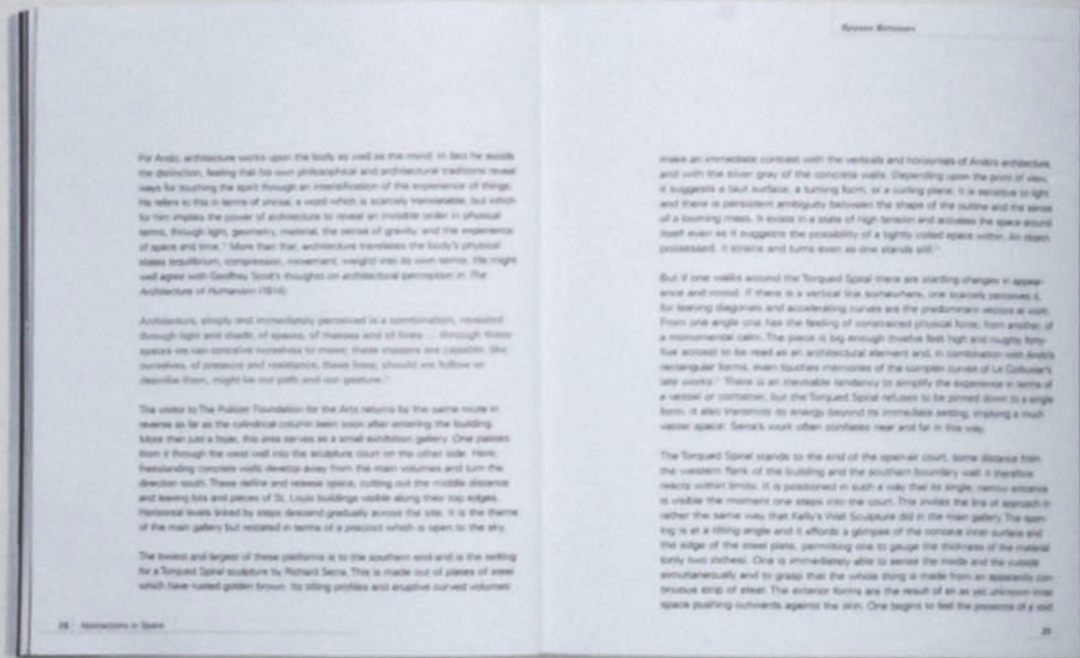
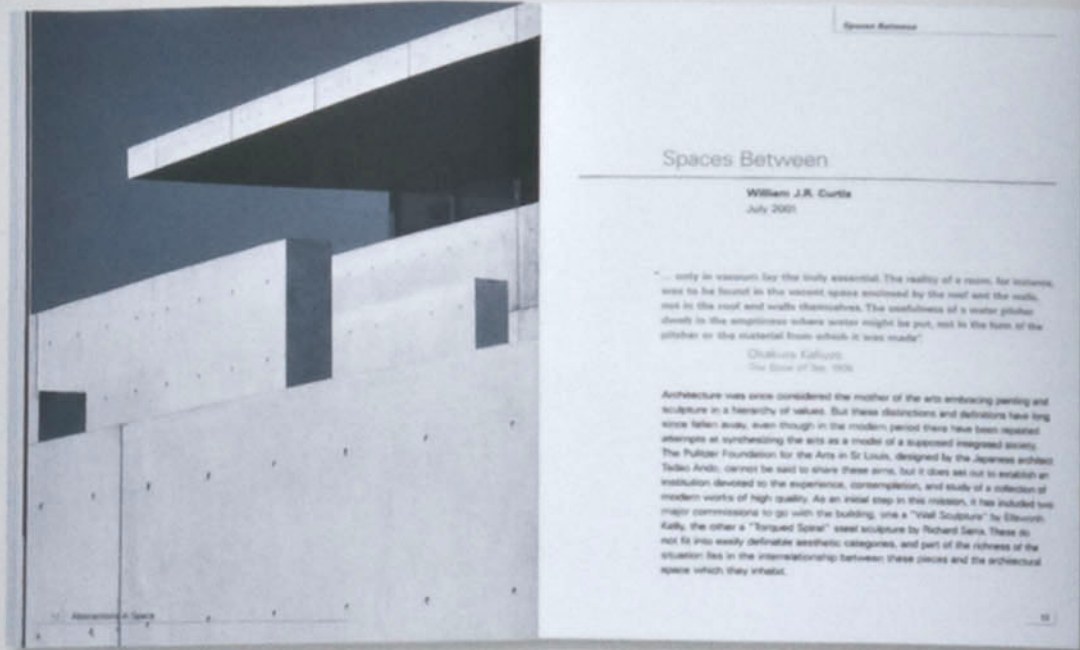


exhibit comparisons

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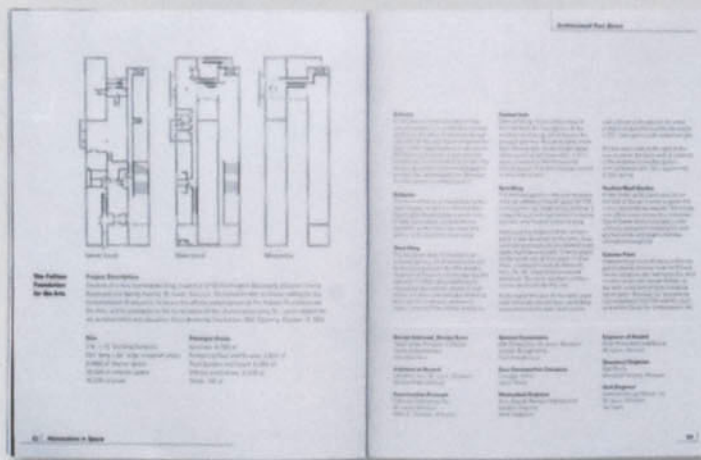


project
Abstractions in Space
Commemorative book
Perfect-bound
Paper cover with printed
vellum jacket
Text printed offset

client
Pulitzer Foundation
Arts organization and
museum
Saint Louis, MO

design
Lynn Fylak
New York, NY

photography
Robert Pettus
Saint Louis, MO



This small book celebrates the calming austerity of the architects and artists commissioned by the Pulitzer Foundation to create its new exhibition and museum space: Tadao Ando, the Japanese minimalist architect; Richard Serra, the American sculptor; and Ellsworth Kelly, the American painter. The book relies on a manuscript grid with a pronounced asymmetry. The left and top margins are dramatically wide, forcing the text block to the right and down. The effect of architectural solidity created by these proportions is offset by the serene, open quality of the margin. A constant hangline for running text, and a second—high above for the running head—create a quiet, simple structure that echoes the directness and purity of the real-world architecture the text describes.

Mirrored folios are bent toward asymmetry through the use of hairline rules that refer to the geometry in the building and paintings inside it. Images selected for their simplicity and abstract qualities are displayed in one of only two ways: bleeding off all sides of one page within a spread, or simply centered in a window whose proportion is defined by the leading corner of the grid's text block. The pacing is varied through stately alternation of the picture formats and black or white fields. Notes and floorplans are accommodated by a three-column grid dominated by the low hangline of the primary manuscript grid.



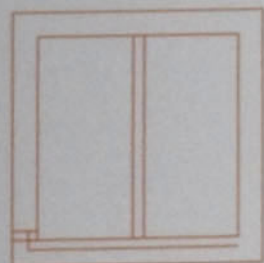
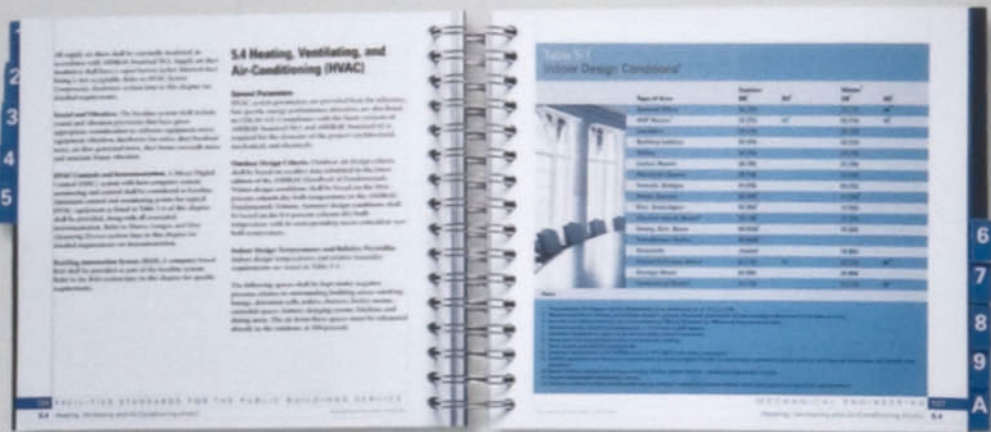


exhibit comparisons

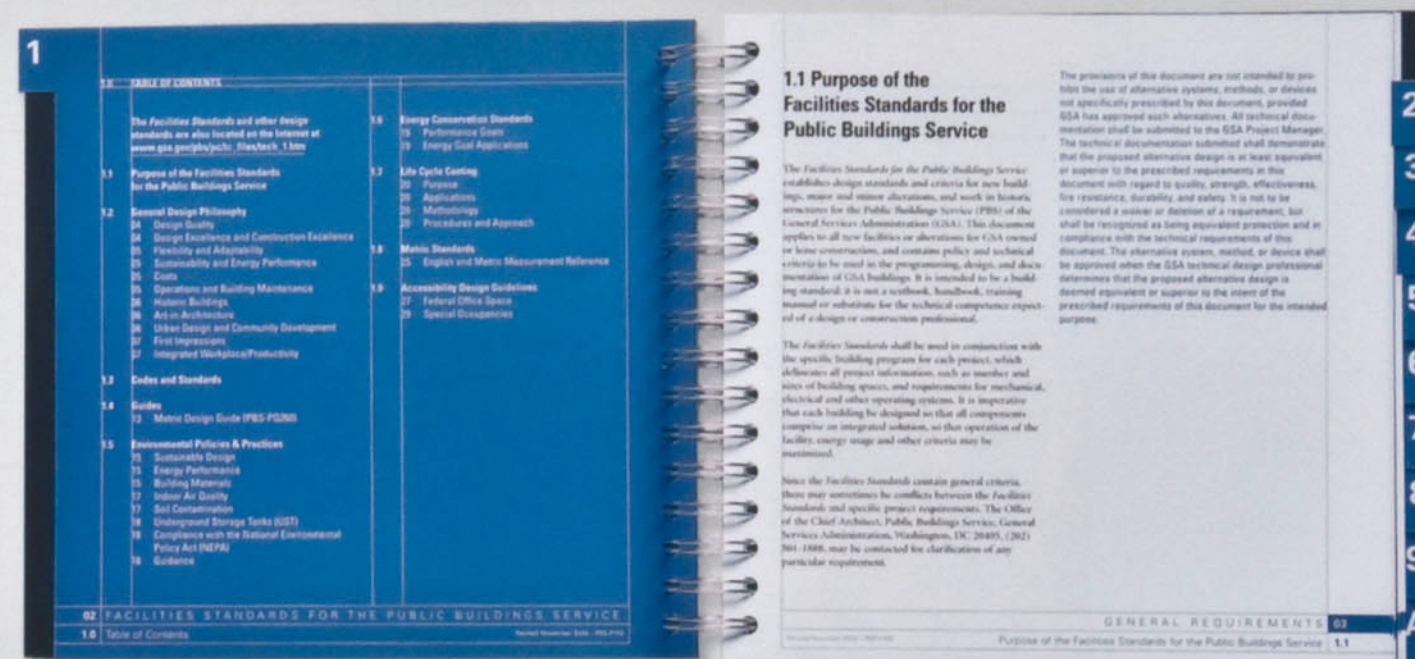
- 02 05 08 11
- 12 14 18 22
- 26 28 33 36
- 37
- 04 05 07 09
- 10 13 15 16
- 22 23 30 31
- 33 36



project
Standards manual
Structural and wayfinding
guidelines for public
architecture
Wire-bound book
Offset lithography

client
U.S. General Services
Administration
Government agency
Washington, DC

design
Chermayeff & Geismar
Associates
Keith Helmetag [AD]
New York, NY



A very basic two-column grid organizes this guidelines manual. As a document that must serve a number of decentralized GSA (General Services Administration) and public-buildings development offices, its simplicity promotes continuity in approach and helps users access information easily. The columns roughly divide the pages in half. The margins are optically even; the interior margins are a bit wider to compensate for the ring binding. While linear elements demarcate the margins throughout, the full grid is made evident in the section contents pages as a reference to architectural blueprints.

Running section folios span the two columns, but at the foot of the page rather than at the top, giving precedence to the more important elements of the hierarchy: section headlines, subheads, and bulleted information.

Charts and tables are easily integrated into the grid and provide some variation within the straightforward page layouts. Tab dividers use the grid's margin frame as a decorative element, contrasting the large-scale section numerals and titles.

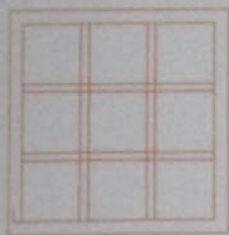


exhibit comparisons

- 06 07 09 10
- 13 16 17 19
- 22 24 25 27
- 29 30 35 38
- 02 06 12 18
- 19 21 24 26
- 31



diverse city

The idea of a "mobile" residency was intriguing for a couple of reasons. First, I repeatedly find myself telling cab drivers things I wouldn't ordinarily dream of telling a stranger. And they tell me their stories as well... That leads to the second, more important reason: London's mini-cabs are driven largely by immigrants. And I'm an immigrant a few times over!"

—Imogen Ford, writer about the Year of the Artist residency for the Year of the Artist

vivacity still celebrating the new

The show must go on and it did. Heralded with fireworks, parties and parades, the first year of the new Millennium continued with a non-stop extravaganza of the arts and of artists right across London. The Millennium Festival, funded by the National Lottery, broke all the rules by happening everywhere all the time - well into the summer of 2001. And last century's year-by-year focus on different artforms culminated in our new century with the Year of the Artist, which brought living artists together with a vast number of people in a wide variety of extraordinary places.

capacity investing in the creative spirit

How creative can a cheque be? That question is the bottom line for any funder. In the arts - where the sky is barely the limit - it is crucial to make investments that really count, now and in the long-term. This means partnerships with other funders and policy-makers, strategic approaches to specific needs - and finding other ways to support the arts other than simply writing cheques. This year London Arts worked to achieve Lottery capital awards for many excellent projects. Detailed reviews resulted in greater support for some sectors, notably theatre, and the creation of entirely new projects, including a literature development agency for West London.

project
Annual Report
Perfect-bound book
Paper cover with die cut
Offset lithography

client
London Arts
Arts philanthropic
organization
London, England

design
Why Not Associates
London, England

photography
Adrian Fisk
London, England

capacity investing in the creative spirit

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The design of this annual report uses a direct, large-scale grid, three modules high by three wide, within a square format. The effect is disarmingly simple, but it permits the designers to bring unity to the everchanging types of art, photography, and activities that will be showcased on behalf of the client, a philanthropic arts organization.

The three-column modules are spanned by type and image in alternating combinations of one, two, and three module widths for a lively visual rhythm of blocks and bands, sometimes one module row deep, sometimes two, or sometimes all three. The modules are separated by a generous gutter that enhances the modular quality and calls attention to the shapes created by the text and images. Pull quotes in larger type, running text, informational listings, and financial data

all adhere to the grid. Dramatic cropping and compositional elements within the photographs shown alleviate regularity and visually interact with the modular architecture of the pages.

structure

Hierarchical grid

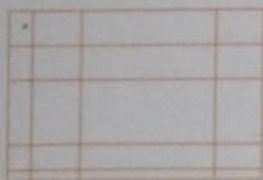


exhibit comparisons

12 13 19 20

22 23 24 25

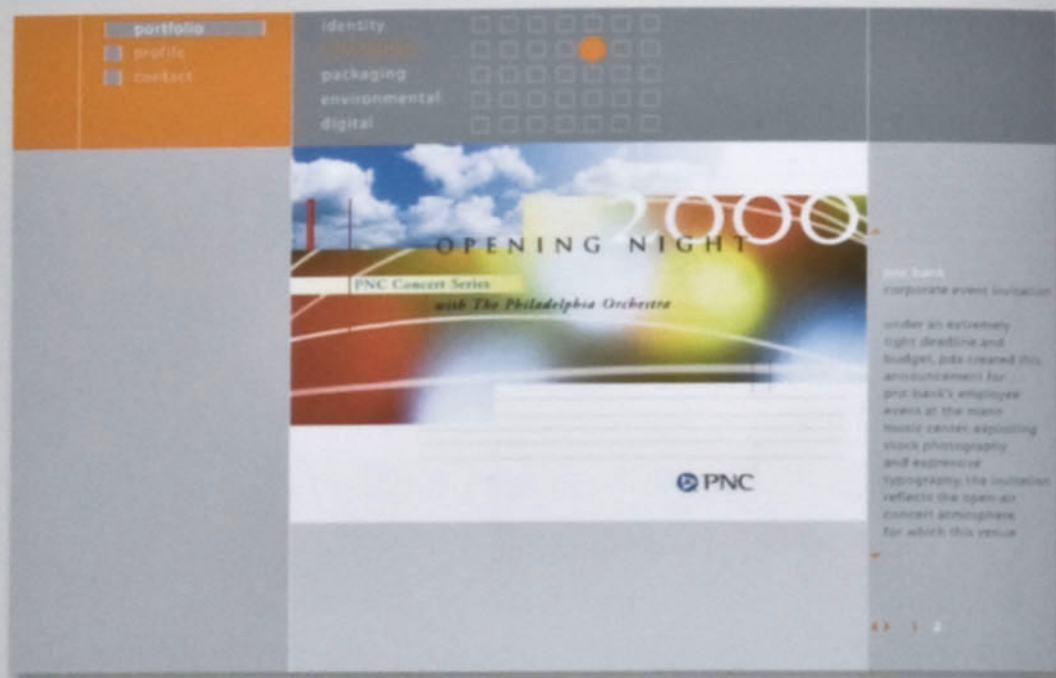
28 31 32 34

36

02 12 14 16

17 18 20 22

37

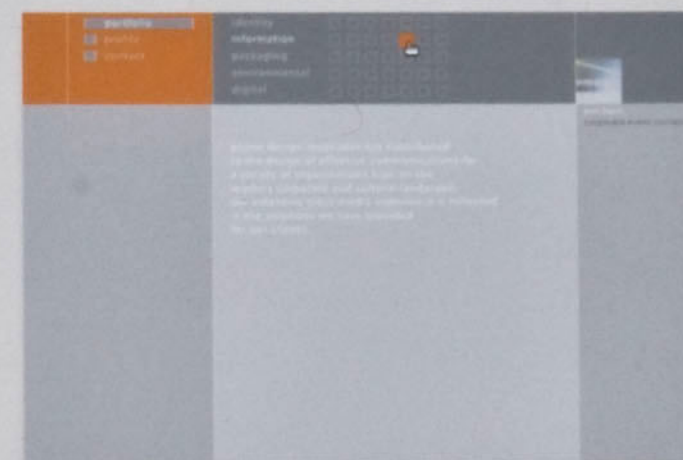
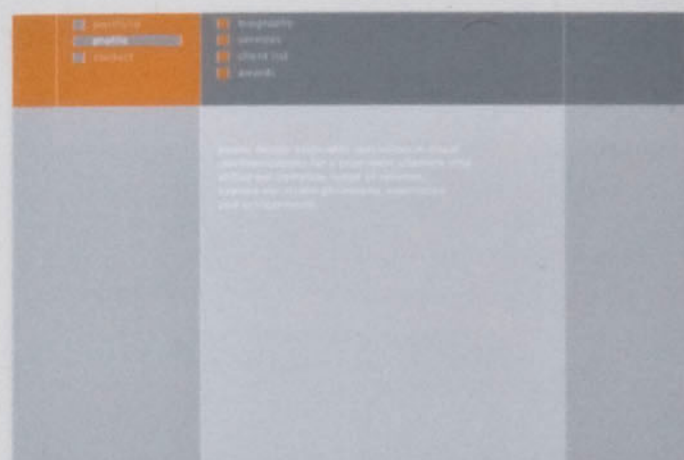
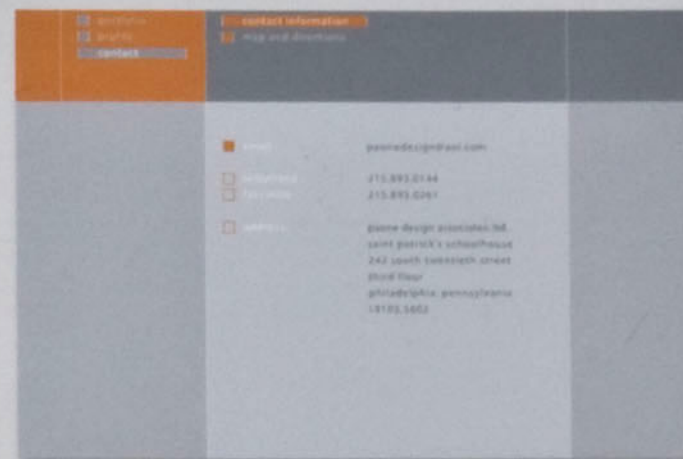
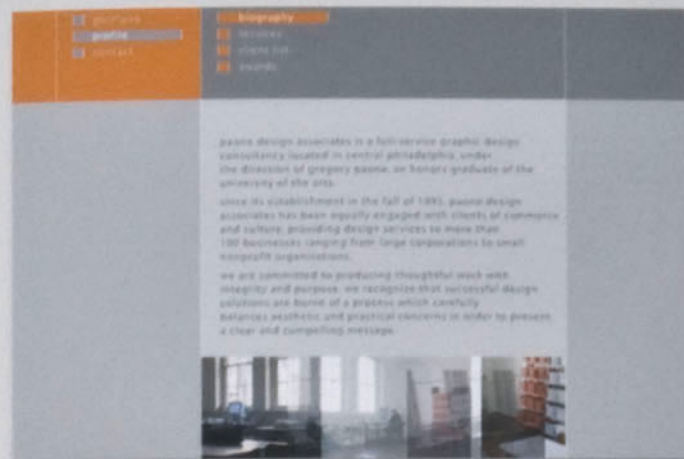


project
www.paonedesign.com
Internet site
Flash version 5.0

client
Paone Design Associates
Graphic designers
Philadelphia, PA

design
Paone Design Associates
Gregory Paone
Philadelphia, PA

programming
Juan Sensenanea
Madrid, Spain



A simple hierarchical grid organizes the marketing and portfolio content for this design firm's own internet site. The proportions of each area within the page correspond to the function of that area in managing content. The major horizontal divisions, for example, separate a large area for text and images. None of the content areas are the same proportion, but their respective horizontal, vertical, and modular dimensions hold each other in a quiet sort of tension.

The grid's division lines are left showing, and provide a subtle visual language to unite the branding and navigation treatments.

The square format of the main content frame can hold different formats of the design firm's work, from long brochures to individual logos. The hangline separates the navigation, branding, and detail-view areas from the primary content area where the firm's projects are shown.



02 08 11 12

14 18 22 26

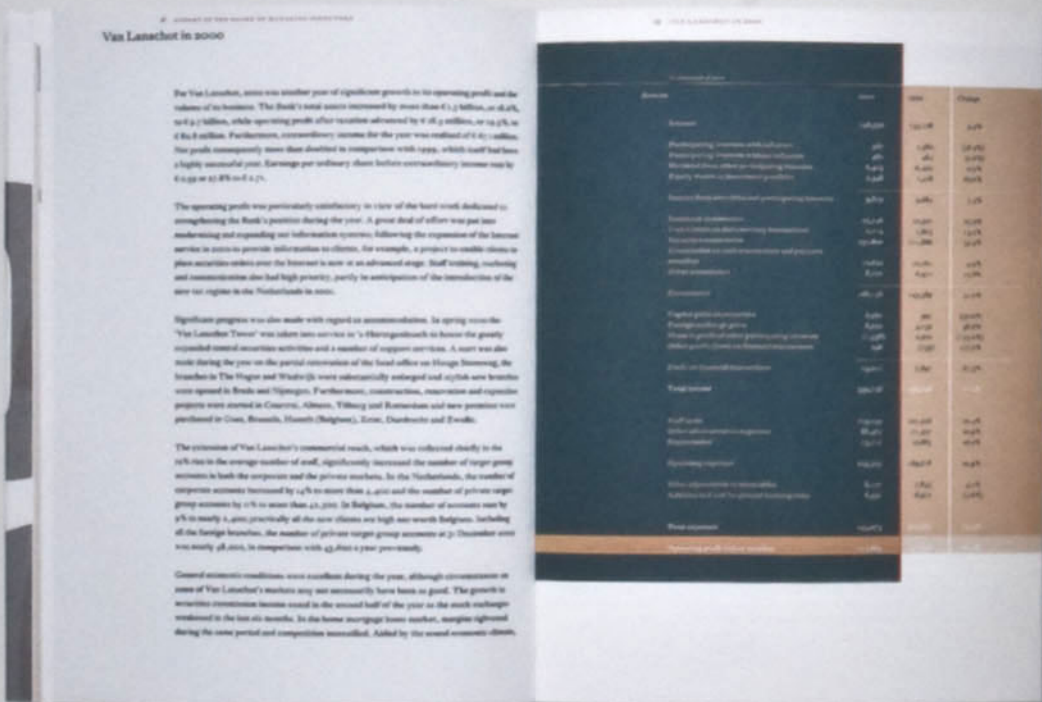
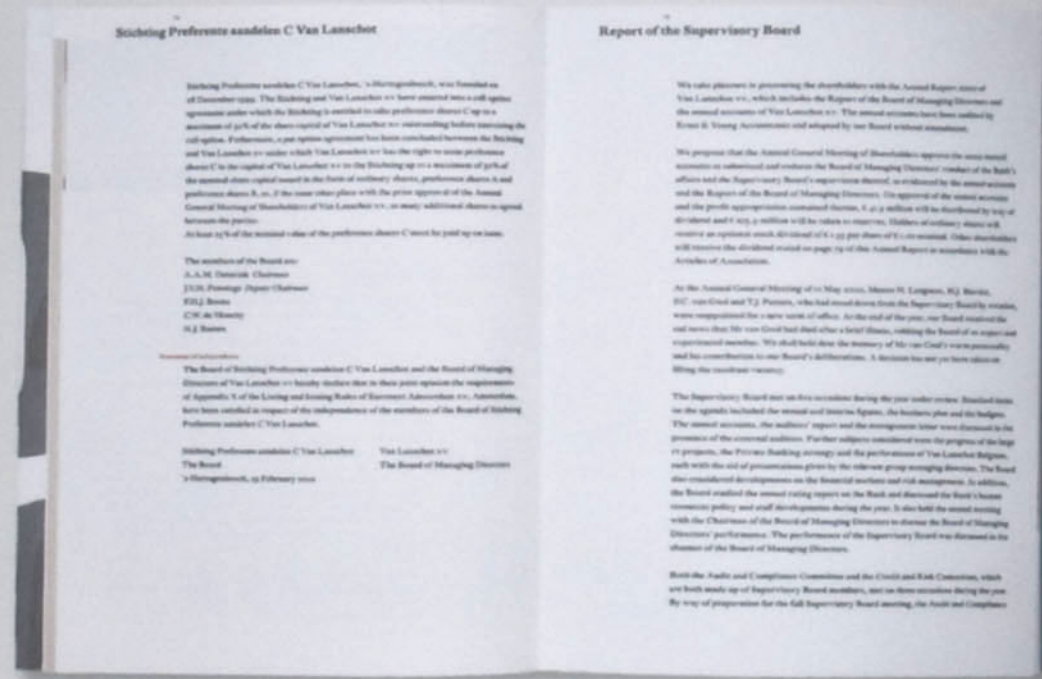
28 33 37

05 07 09 10

13 15 16 23

24 27 30 31

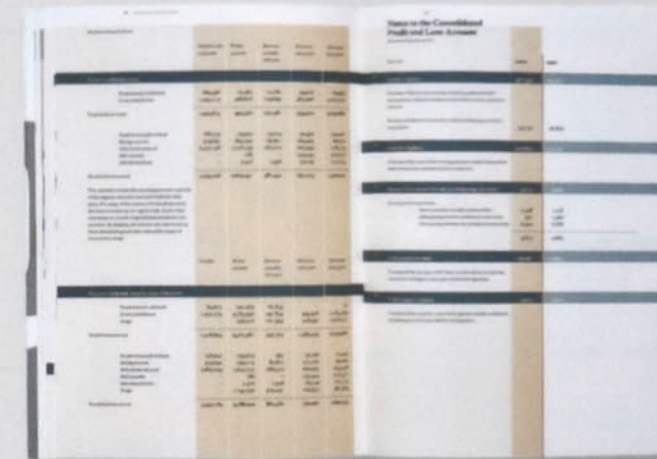
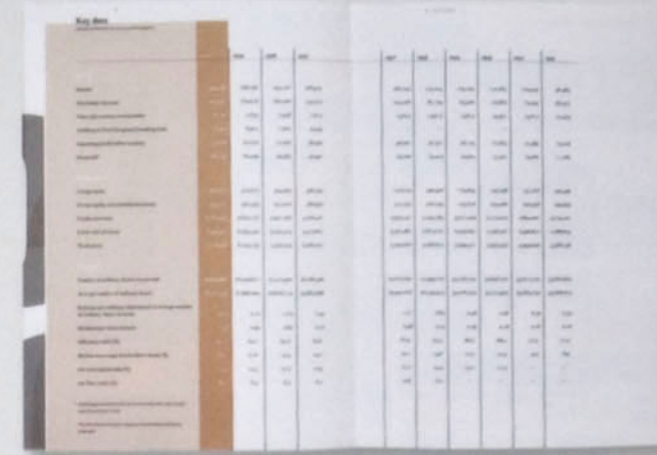
33 36



project
Annual Report 2000
Casebound book
Embossed paperboard cover
Silkscreened jacket
Text printed offset, two colors

client
Van Lanschot Bank
Financial services
Amsterdam, Netherlands

design
UNA [Amsterdam]
Designers
Hans Bockting
Sabine Reinhardt
Amsterdam, Netherlands



This annual report for a private bank in the Netherlands is organized around an elegant column grid that seamlessly integrates running text, tables, and financial disclosures.

The text block is divided into four primary columns of 40 mm each, and those again in half—the width of the longest numeric figure in any table. A set of alignments separated by 10 mm at the leading edge of the main text block provides a consistent edge for text and financials, and subheads or notations outdent slightly to align with the page number up top.

The hangline for body text creates a space between the running title head that orients the tabular matter. Columns of numbers are differentiated by white space or background tints, with the Year 2000 figures given the most prominence.

The hard cover is embossed with the bank's family crest in a nod to its reserved interior, but is wrapped by a colorful, folded poster that displays the most relevant financial figures from the interior. The lively composition is an attractive departure from the stately interior structure, but the short-folded edge that reveals the bank's logotype echoes the hangline from inside the report.

structure

Modular grid



exhibit comparisons

03 07 10 13

16 17 19 22

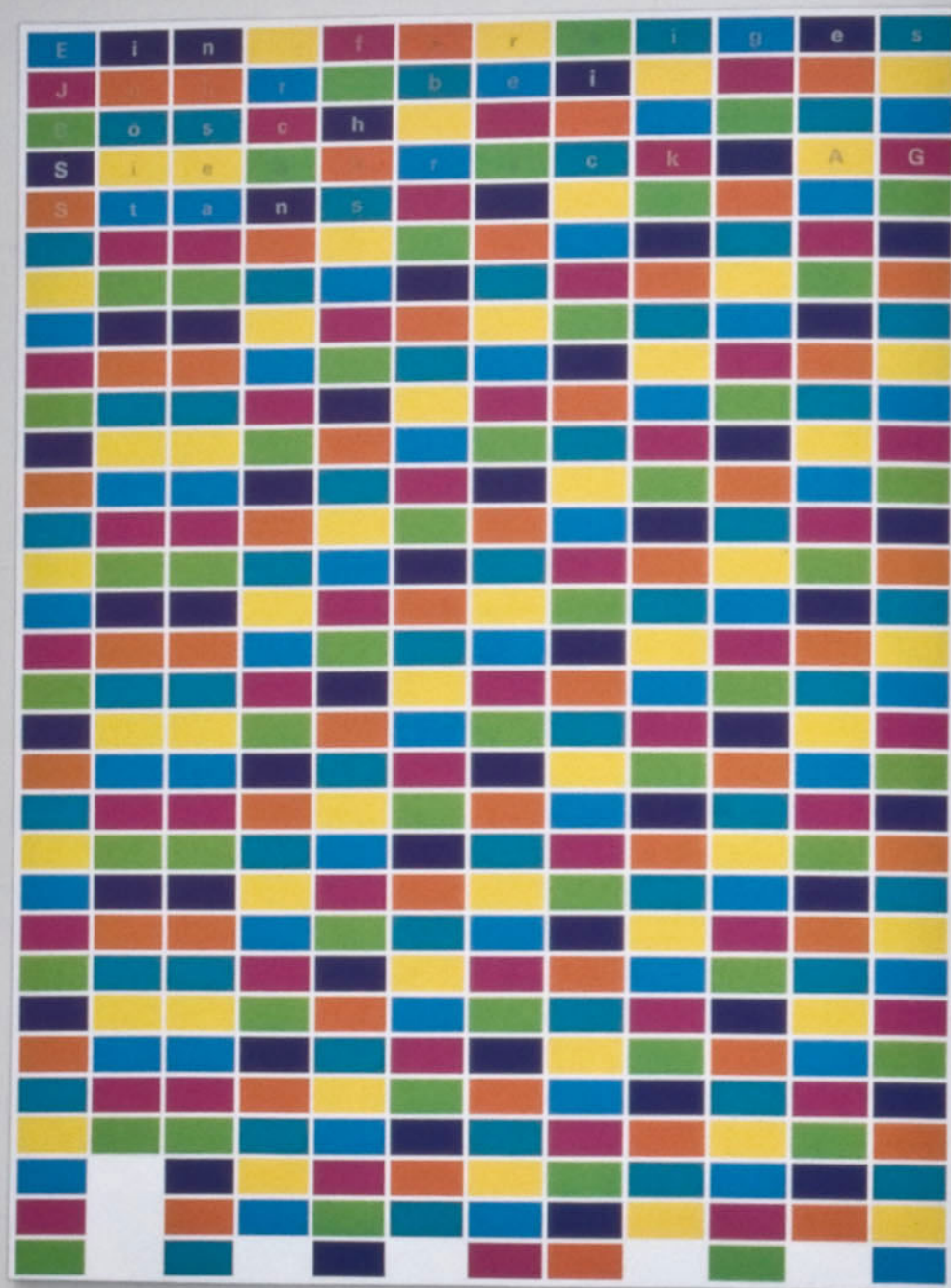
24 25 27 29

34 35 38

02 03 06 12

18 19 21 24

26 31 35



project
A Colorful New Year
Promotional poster
Seven-color silkscreen

client
Bösch Siebdruck AG
Commercial silkscreen
printers
Willisau, Switzerland

design
Niklaus Troxler Design
Niklaus Troxler
Willisau, Switzerland

project
Plakate Schwarz/Weiss
Black & White Posters
Exhibition poster
Silkscreened in black

client
Willisau Rathaus
Art Gallery
Willisau, Switzerland

design
Niklaus Troxler Design
Niklaus Troxler
Willisau, Switzerland



These two posters demonstrate the versatility inherent in a modular grid. In each, the module size is related to the poster's content.

The New Year poster produced for a silkscreen printer uses a tight modular grid as the basis for its colorful interpretation of the calendar year. The modules represent all the days of the year, organized in twelve columns of thirty-one rows each. Every day of the week is assigned a different color. The uneven mathematical repetition of days, measured against the uniform commencement of each month, creates a randomized pattern of color that simultaneously evokes the cyclical matrix of the calendar and a shower of confetti.

The exhibition poster uses a much larger module as the basis for its composition. The letters forming the exhibition's title are laid out in a 4 x 5 grid of vertically proportioned modules that bleed to the edges of the poster's format—there are no margins. The alternating black and white fields create backgrounds for the individual letters.

The designer "cheats" his grid a little to ensure the legibility of the letters, shifting them upward or sideways to help reveal their forms, but the grid's integrity remains. Overlaps and vibrating juxtapositions of black and white areas introduce detail variation on top of the regular understructure. The dramatic scale of the title gives way to a more focused column of time and date description in the far right column.

structure

Modular grid with compound articulations

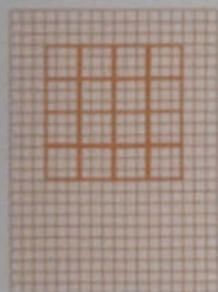


exhibit comparisons

03 06 09 10

13 16 17 19

20 24 25 27

29 30 35 38

02 06 12 13

18 19 21 24

26 30 31 35

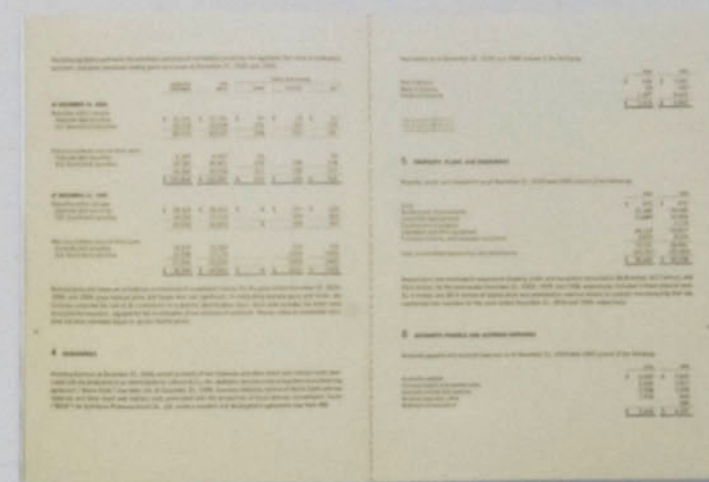


project
Annual Report 2001
Perfect bound book
Paper cover
Offset lithography

client
Regeneron
Pharmaceutical research
and development
Tarrytown, NY

design
Ideas on Purpose
Darren Namaye
New York, NY

photography
Horatio Salinas
New York, NY



In an unusual deviation from regular modular grids, where the same module governs every page regardless of the information being presented, this small-format annual report uses three separate articulations of a modular grid, each with its own module proportion based on the underlying module proportion. The individual grids are tailored to specific sections or types of display. Over several sections, the alternation of individual grids repeats, lending a comfortable cadence to the spreads.

A 6 X 8 module grid on left hand-pages during the first section displays corporate environment and structures a paragraph of text below. The top and side margins are defined by the module width; the bottom margin is a half-module deep.

In contrast, the right-hand page uses the base module grid. The grid is visible as an overlay on the photograph. This at first seems decorative, but the grid is used to organize thematic information like a puzzle board, as well as information below it, and so reveals itself to be structural. The smaller module against the close-up face image communicates greater depth of focus, from environment to person to job function. Corporate officers' statements and management discussion uses the first grid structure.

Another module size defines the grid for the financial section, separated from the conceptual section through the use of a contrasting colored paper.

structure
Modified
column grid



exhibit comparisons

- 02 03 05 11
- 12 14 18 22
- 26 28 33 37
- 04 05 07 09
- 10 13 15 16
- 23 24 30 32
- 36



project
Publication system
Book catalogues
Perfect-bound A4 books
Offset lithography

client
Laurence King Publishing
Publishers
London, England

design
Frost Design
Vince Frost
London, England



This quarterly publication promoting a publisher's catalog of offerings is designed using an unusual grid of 1-centimeter vertical divisions with two distinct flowlines, both at the top of the page. Each page in a spread is devoted to the display of a single book. The vertical center line of the page is used as a consistent orientation point for the book's publication information and is flush left from the line and hanging from the first of the flowlines. A narrow horizontal band is defined by the space between the book's information and the beginning of the descriptive text. That text hangs from the second flowline, which also establishes the location of the page marker to the far right. Within the narrow horizontal band, the book's title—in a larger and bolder weight of the same sans serif face used for running text—is stacked upward from the lower flowline line by line as needed. The multiple vertical divisions, meanwhile, allow the designer to introduce rhythm and movement to the text by shifting the paragraph alignment back and forth. Sometimes this shift accommodates the format of the book cover that is shown and other times it is an optical response to the dynamics of the other elements in the spread. The left flush of the paragraph always returns to an alignment with the information hanging at the top to give resolution to the page.

Structure
Modular grid



Content comparisons

02	06	07	09
10	13	16	17
19	22	24	25
27	29	30	31
35	38		
02	06	12	18
19	21	26	31



A simple yet clever use of a large-scale grid creates a brochure with staying power. The square format of the folded brochure becomes the governing module for photographs and information as it expands through unfolding. Each time a panel is opened, new components of the overall message are revealed. The simple sequence makes the message clear. When the brochure is completely unfolded, a small poster of flat-color modules and cropped photographs remains as a simple branding message.

project
Track Nine
Foldout brochure/poster
Offset lithography

client
Track Nine
Audio recording and
production studios
New York, NY

design
Level Design
Jennifer Bernstein [AD]
Nicholas Hubbard
New York, NY



structure
Proportional
modular grid

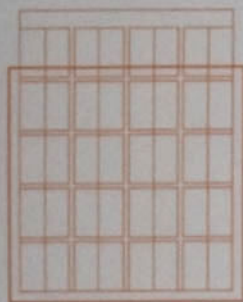


exhibit comparisons

03 06 07 09

13 16 17 19

22 23 24 25

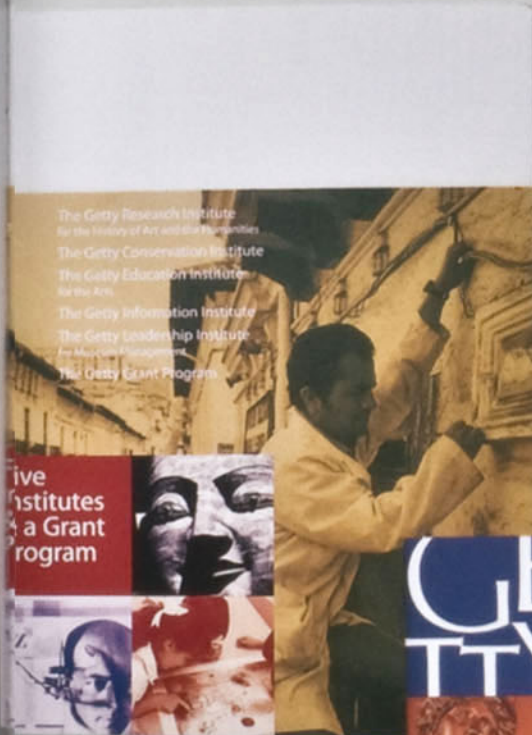
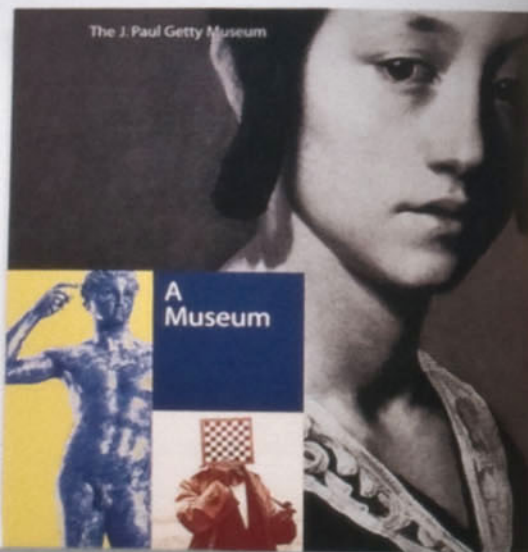
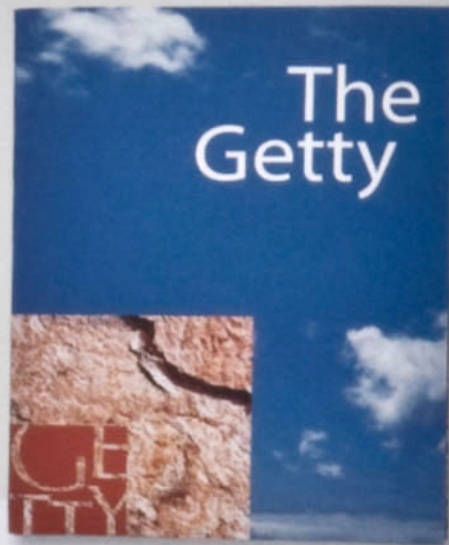
27 29 30 34

35 38

02 06 12 18

19 21 24 26

31 35



Based on a square logo (which refers to relevant architectural details), this media kit and literature system use a modular grid to accommodate information for five separate educational and research entities bearing the Getty name.

The square module is always derived from a measure that is a quarter the width of a given format, helping to partition and unify disparate types of competing images—paintings, sculpture, calligraphy, architecture—both formally and conceptually, across numerous formats.

This unification happens because of the way the square housing of each image neutralizes its individual character (to a certain extent); the brain is made to understand them as relating to each other because they are inside squares. The square housing also helps reinforce the relationship of these images to the Getty brand itself: they become the many different things that are brought together by the institution for research and exhibition.

project
Print collateral system
Media kit folders and
informational brochure
Offset lithography

client
Getty Research Institute
Art and art historical
research and museums
Los Angeles, CA

design
Frankfurt Balkind
Aubrey Balkind [CD]
Kent Hunter [CD]
Todd St. John
New York, NY

The squares are a simple visual device that can be combined into spatial zones or sequenced in scale to create kinetic effects when pages are turned or folders are opened. The brochure folds neatly in half to a small size without disturbing the imagery because the fold falls on a grid line.



structure
Column grid

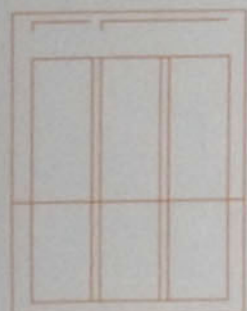
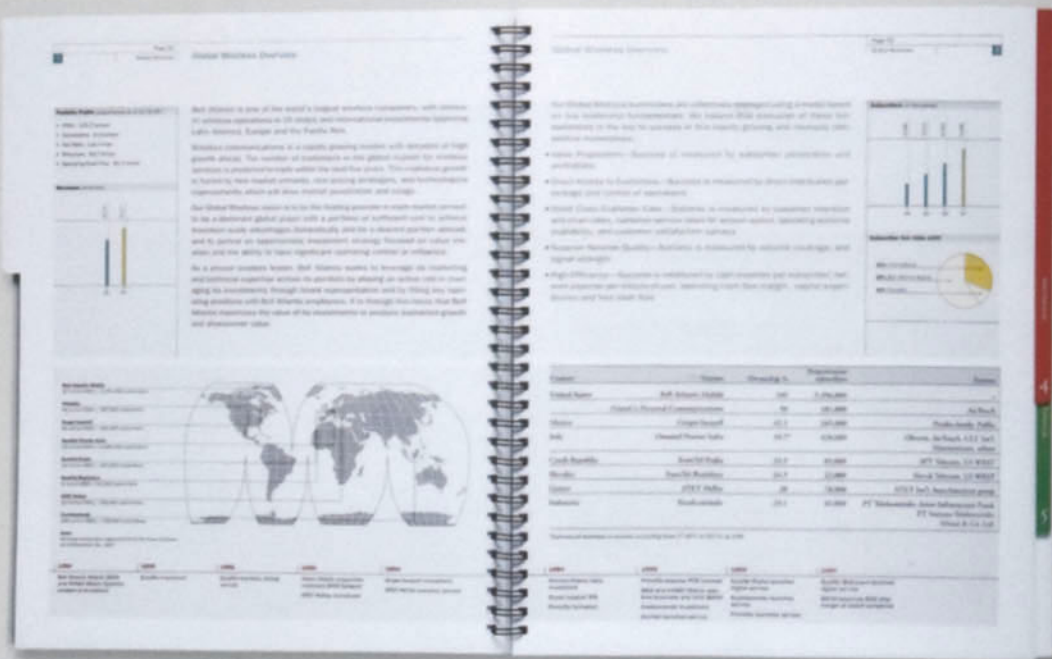
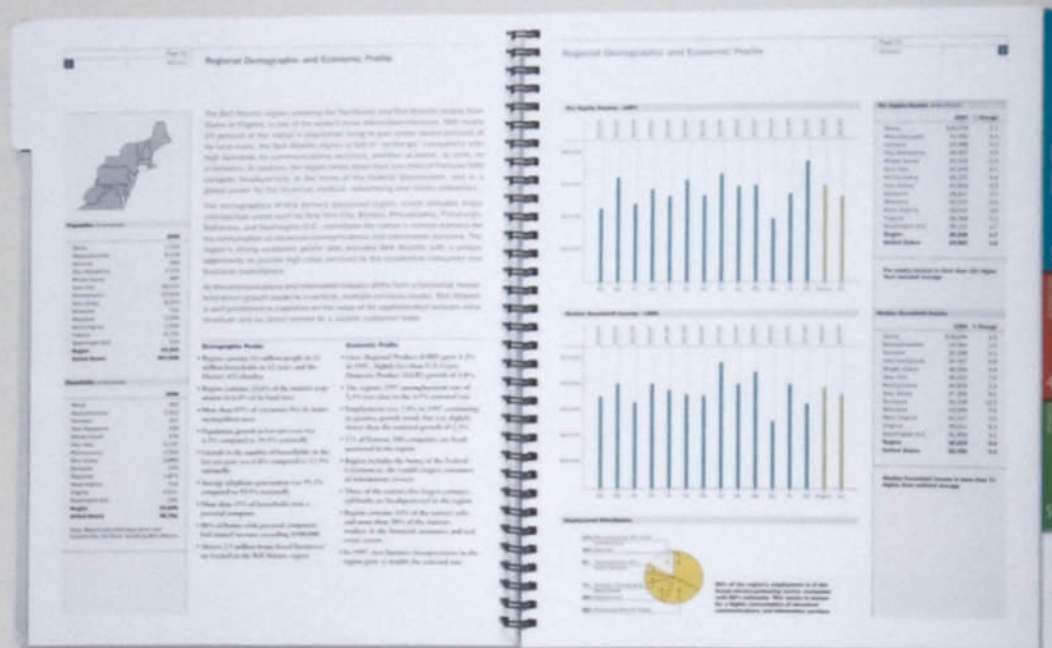


exhibit comparisons

- 02 05 08 12
- 14 18 22 26
- 28 33 37
- 04 05 07 09
- 10 13 15 16
- 24 27 30 31
- 36



project
Investor's Reference
Guide
Informational brochure
Tab-divided, spiral-bound
book with two weights of
paper stock
Offset lithography

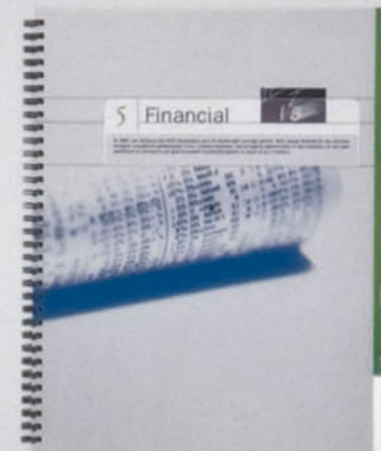
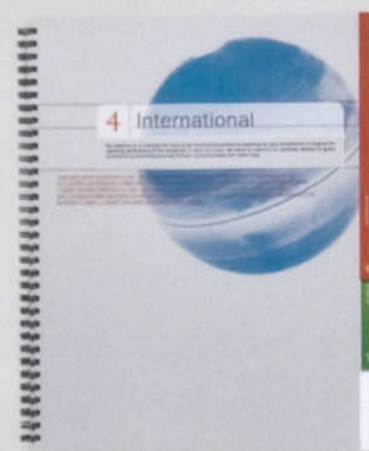
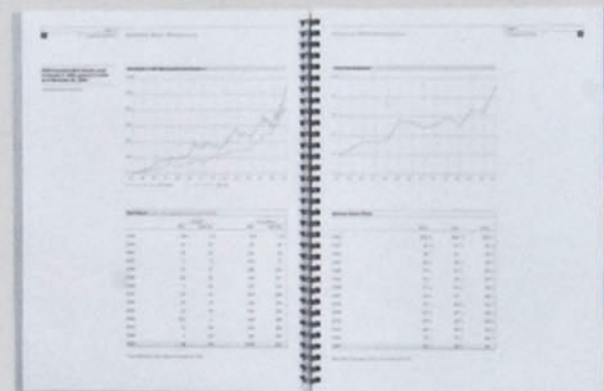
client
Bell Atlantic Company
Public telecommunica-
tions services
New York, NY

design
Allemann, Almquist + Jones
Hans U. Alleman [CD]
Philadelphia, PA

A strong, three-column grid with carefully considered margin and column-gutter proportions creates accessibility for a large volume of complex information. The text block of three columns hangs from a more-narrow margin at top, reducing the optical effect of "gravity" and helping the reader to calmly digest the multitude of charts, diagrams, and subheaded text paragraphs within the body of the document. Careful attention to type sizes, interline spacing, and margin relationships keeps the information integrated, yet distinct, without cluttering.

Most pages are divided into three distinct zones: a top band, defined by two flowlines, calls out section number, section title and page number; the inside two columns are used as a single wide column for introductory statements and running text; and the outer column is reserved for diagrams, charts and maps.

The wide variety of information creates constant change in the layout of pages, even though the grid is so regular.



The tab section-dividers adhere to their own simple grid, which treats information consistently in style and placement. Variation is introduced through changes in image and color.

structure

Compound column and hierarchical grid

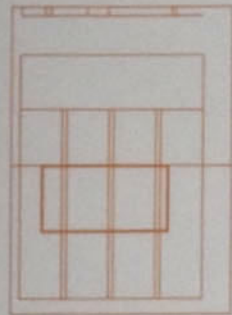
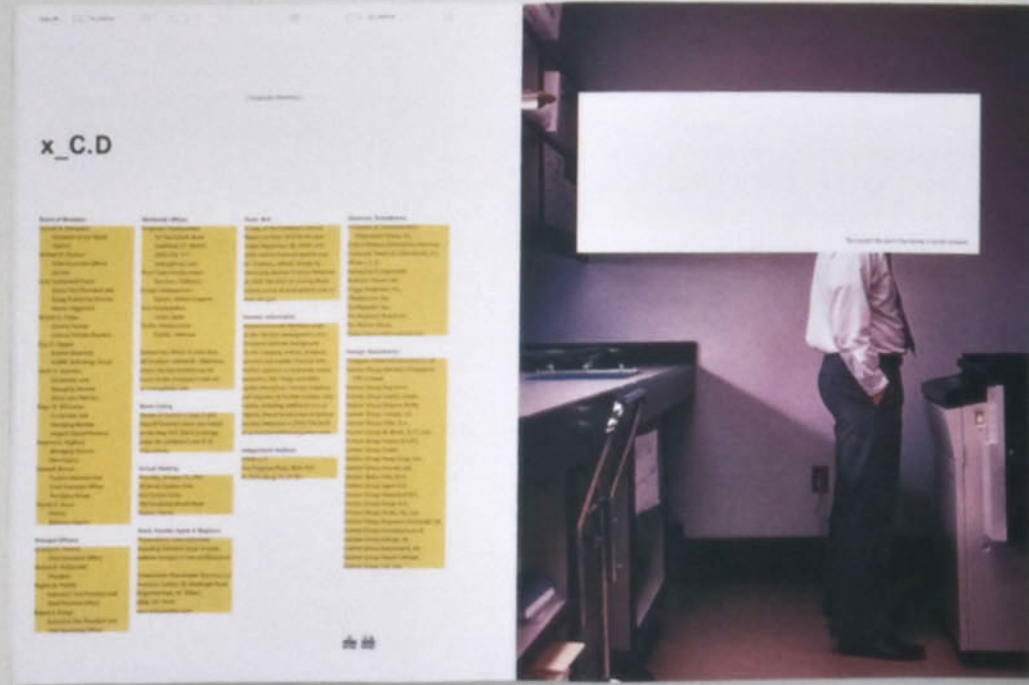


exhibit comparisons

- 02 04 05 08
- 11 14 15 18
- 22 26 28 31
- 33 36 37
- 01 04 05 07
- 09 10 13 14
- 15 16 30 31
- 36



Codified headlines, silhouetted line drawings, and masked-out corporate activity provide intrigue in this annual report for Gartner, a technology consultant to leading technology companies. The secretive nature of the company's client relationships, conveyed in the austere illustrations and censored documents, is given greater tension through the use of a rigorous compound column grid. One-, two-, and four-column page structures alternate to accommodate conceptual texts, stark illustrations in vast white space, complex charts, and consolidated financial information.



project
Annual Report
Perfect-bound book
Offset lithography

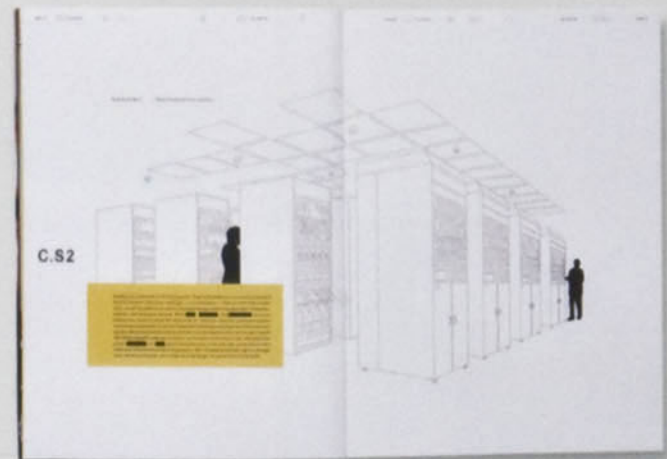
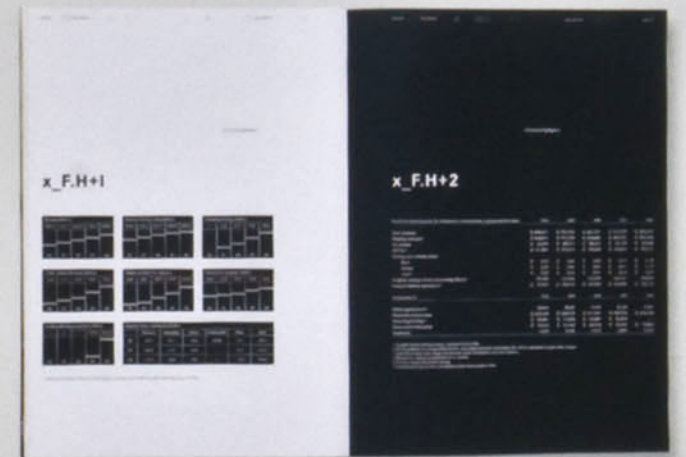
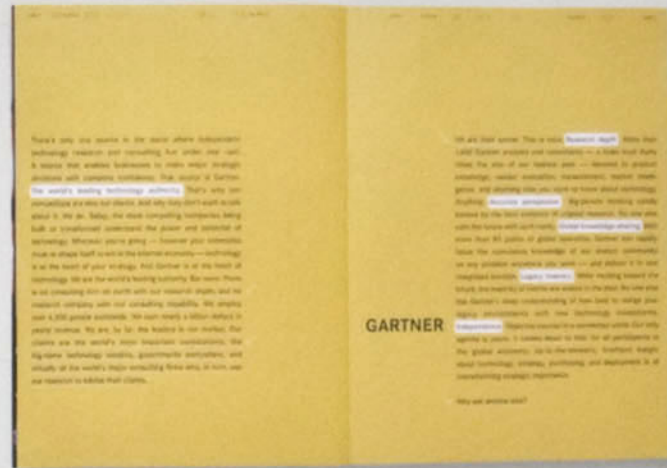
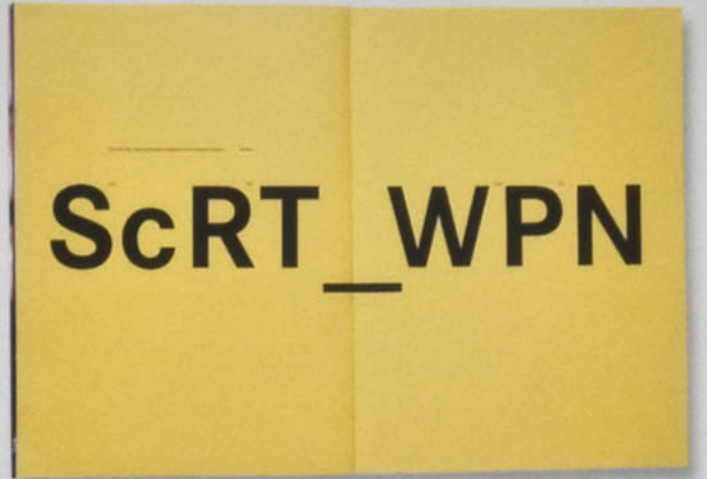
client
Gartner Group
Electronic data security
systems
Stamford, CT

design
Cahan+Associates
San Francisco, CA

photography
Lars Tunbjork
Steven Algren
Catherine Ledner
San Francisco, CA

Mirrored two-column text blocks create a deep margin for the gutter and bring the column edges close to the edge of the format, creating extra tension. In other spreads, the gutter proportions are swapped; this dramatic change allows the designer to vary the structure of the layout and introduce a decisive sense of uncertainty that aids in the communication of the content.

The single paragraph of text for the case studies defines the one-column grid. Its dramatic highlighting in yellow separates it from the linear illustration that floats ominously in the remainder of the spread. Four columns help to control listing information, as well as groupings of charts and financial data.



structure

Modular grid



exhibit comparisons

03 04 06 07

09 10 13 16

17 19 22 24

25 27 29 30

35 38

02 03 05 06

12 18 19 21

24 26 30 31

35



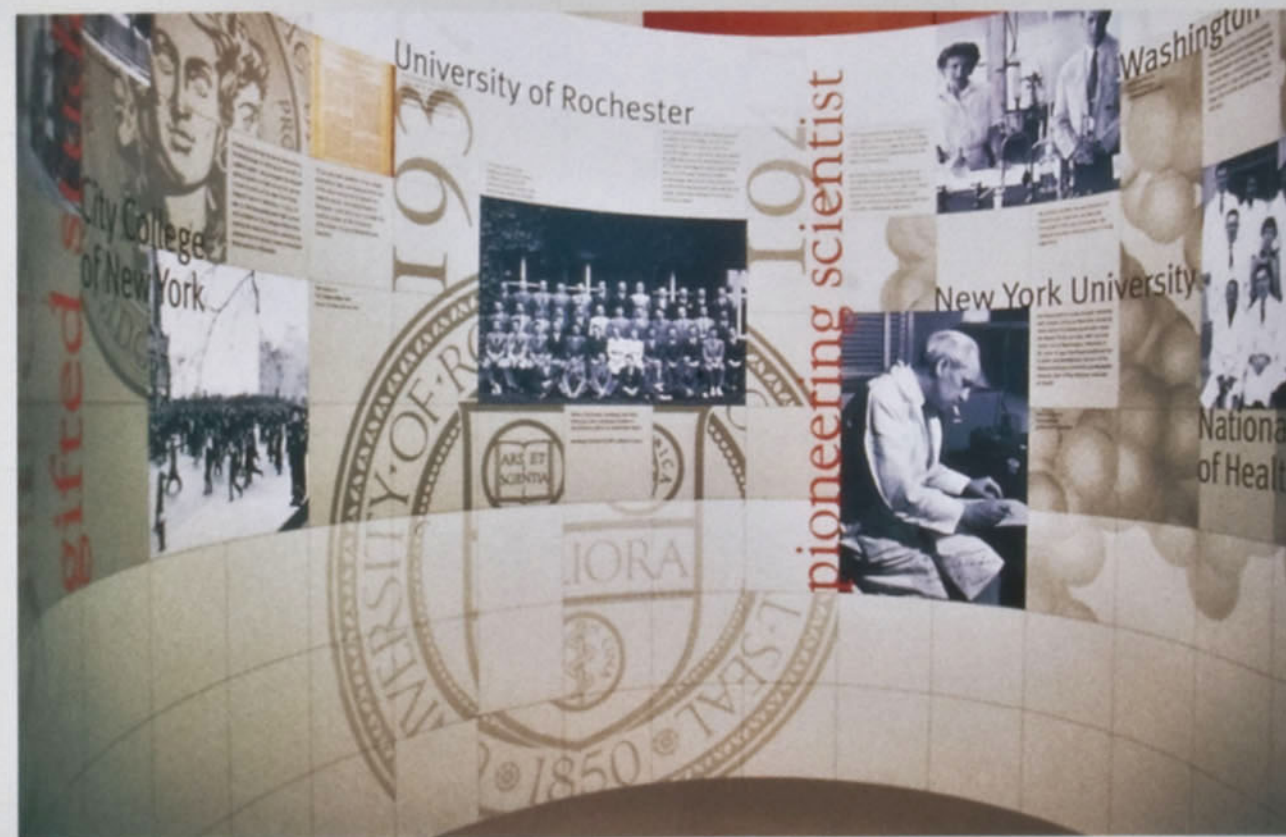
project
Arthur Kornberg,
Nobel Laureate
Exhibition installation
Steel armature
Modular pre-printed panels

client
University of Rochester
Medical Center
Graduate medical school
Rochester, NY

design
Poulin + Morris
L. Richard Poulin
Jonathan Posnett
New York, NY

This simply constructed traveling exhibition about a Nobel Prize winner's life balances the studied rigor of a square-module grid with gracefully curved panels and details of bright color. The grid is an enlarged modular grid, without interstices between the modules. Text and images relating the story of Arthur Kornberg's life are arranged around the grid: interlocking, changing horizontal and vertical stress, moving over and under individual modules but always adhering to it.

The modular grid, specifically, allows numerous shaped images to integrate seamlessly without having to resort to translucency or montage effects that might not reproduce well at exhibition-sized scale. Some elements are two modules high by three wide, whereas some are two modules square. Clever shifts in alignment and insets of flat color and type against textural backgrounds create a smooth, unbroken continuum of image and words from the beginning panel to the last.



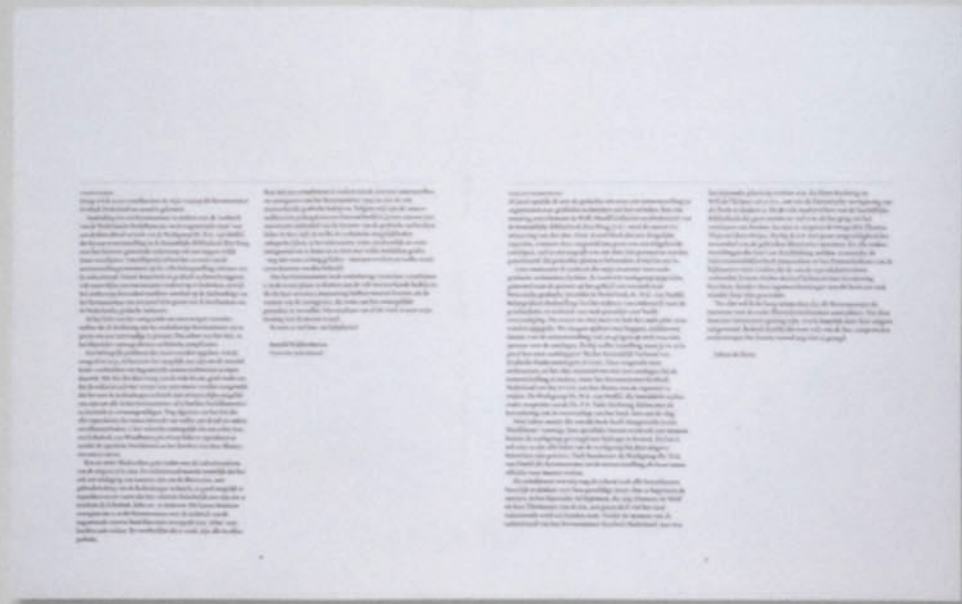
structure

Modified column grid



exhibit comparisons

- 02 05 08 11
- 12 18 22 26
- 28 33 36 37
- 01 04 05 07
- 09 10 13 15
- 16 22 23 24
- 27 28 30 31
- 36 37



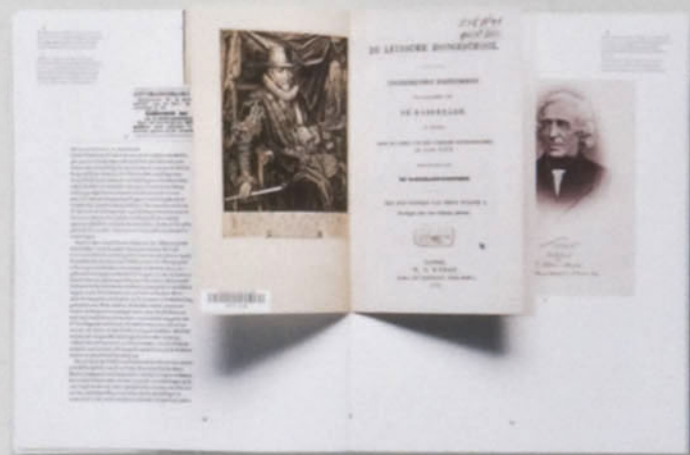
project
Kerstnummer Grafisch
Nederland
Promotional book
Offset lithography with foil
stamped cover, die-cuts and
tip-ins

client
KVGO
Dutch Royal Foundation
of Graphic Enterprises
Amsterdam, Netherlands

design
Una (Amsterdam)
Designers
Hans Bockting
Will de l'Elcluse
Amsterdam, Netherlands

KVGO annually publishes a book to promote its members' activities and highlight the skills of graphic artists in general. The 1995 edition is about the technique of Dutch book illustration in the nineteenth century. For optimal presentation of the various techniques, UNA used foldouts, inserts, and die cuts, as well as a wide range of paper stock. The text and images are placed on an intricate, six-column modular grid with ten modules vertically. Each module is divided in half vertically, and all text baselines, from the top of the page, are available as hanglines should the need arise.

This grid is designed to accommodate numerous, unusual nonstandard illustration formats, which are presented wherever they fit, so long as they align with the grid; they're permitted to float behind or interfere with the regular double-column of running text, and often straddle the gutter.



The home starting point for captions is a secondary outer margin that is mirrored from left to right pages. The smaller type size and column width for the captions correspond to the single-width column defined by the module.

Inserts of varying sizes and paper stocks are tipped in and do not necessarily adhere to the grid. This unexpected violation is sometimes applied to the illustrations that are actually printed on the main text page. The interaction between these trompe-l'oeil images and the three-dimensional pop-ups creates a rich dimensionality.

structure
Modified manuscript grid

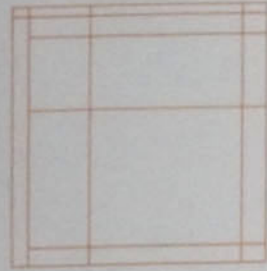
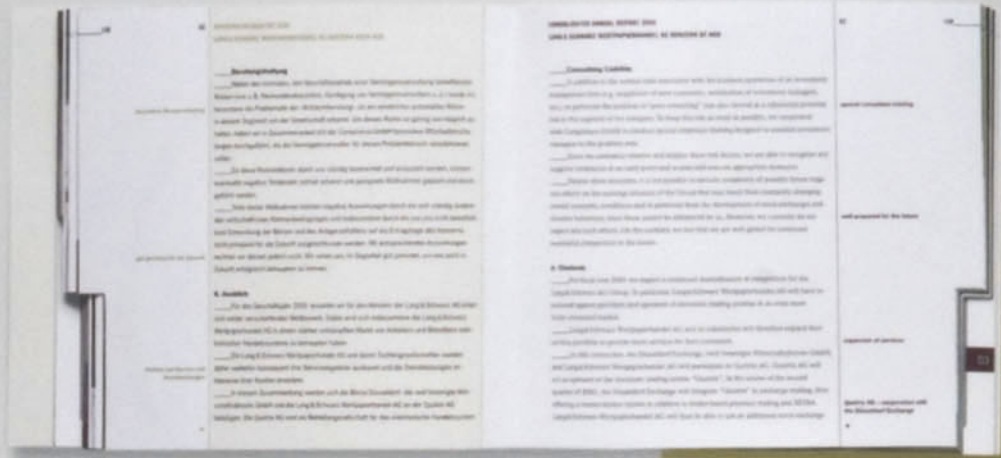
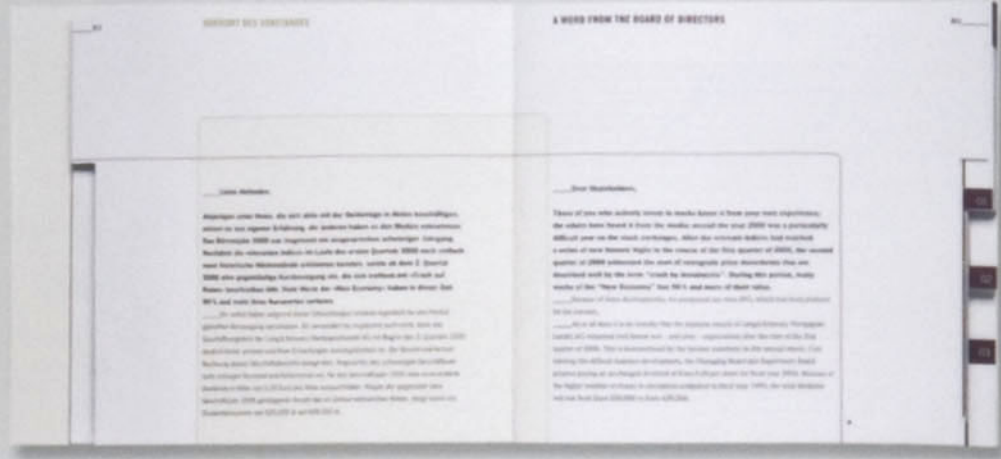


exhibit comparisons

- 01 05 12 21
- 01 13 27 30
- 31 36 37



project
Annual report
Perfect bound book with
double spine, printed offset
lithography with die-cuts

client
Lang & Schwarz
Wertpapierhandel AG
Financial Services
Düsseldorf, Germany

design
In(corporate
Communication + Design
GmbH
Karsten Unterberger
Berlin, Germany

A square format for this financial services company's annual report plays off the modular nature of squares. Using a simple manuscript grid with wide margins that are sometimes used for notations or call outs, the designers have split the open double square for one important purpose: Each side carries the same information, the left running in German and the right in English.

The majority of the book is given to management discussion of financial matters and business initiatives, but colorful, conceptual section dividers showcase customer interaction with the company, acting as positioning statements and welcome interludes between long sections of figures and text. Their surreal photographic compositions are understated and almost devoid of human imagery, yet a kind of uncomfortable intimacy pervades them.



Map 02

Lang & Schwarz Wertpapierhandel AG Konzern by H201... (Financial Services and Exchange Markets)

LANG & SCHWARZ
Wertpapierhandel AG Annual Report 2000

FINANCIAL CONDITIONS AND EARNINGS SITUATION

Balance Sheet	2000	2000	2000	2000
Assets				
Current assets				
- Cash and cash equivalents				
- Receivables				
- Other current assets				
Total current assets				
Non-current assets				
- Property, plant and equipment				
- Intangible assets				
- Other non-current assets				
Total non-current assets				
Total assets				
Liabilities				
Current liabilities				
- Payables				
- Other current liabilities				
Total current liabilities				
Non-current liabilities				
- Long-term debt				
- Other non-current liabilities				
Total non-current liabilities				
Total liabilities				
Equity				
Share capital				
Reserves				
Total equity				

Income Statement	2000	2000	2000	2000
Revenue				
- Net revenue				
- Other revenue				
Total revenue				
Expenses				
- Cost of sales				
- Other expenses				
Total expenses				
Operating profit				
- Other income				
- Other expenses				
Total other income/expenses				
Profit before tax				
- Tax				
Total tax				
Profit after tax				
- Minority interest				
Total minority interest				
Profit attributable to shareholders				
- Other income				
- Other expenses				
Total other income/expenses				
Profit attributable to shareholders				
- Minority interest				
Total minority interest				
Profit attributable to shareholders				

Inserted into a pocket inside the front cover are a series of quad-folded financial statements. Each is two-sided and displays the same data in German and English for a quick reference of the complex material buried inside the report.



- 03 06 07 09
- 10 13 17 19
- 22 24 25 27
- 29 30 35 37
- 02 03 06 12
- 18 19 21 24
- 26 30 31

Who we are
How we create vibrant names
Why vibrant?
Solutions
Collaborations
Clients speak
Process
Meet Vibrato
Position papers
Contact

We help companies become more valuable by creating vibrant brand names for global businesses, products, and services. Names that both resound above the marketplace uproar and resonate with the constituencies among your audience—from your target market, current employees, potential recruits, industry press, to your prospective investors and merger partners.

When your brand can inspire and persuade the people who are vital to your success, you can compete.

This Web site is organized around a simple modular grid. The modules are horizontally stressed, echoing the landscape orientation of the browser window and their organization into five columns and four rows. The top row generally remains blank, acting as a holding area for the branding message and as a way of separating the page content from the browser navigation. In the second row, the first two modules, beginning at the left, are reserved for the primary navigation. A restrained color change indicates selection and location within the site. The information that has been selected is given prominence in the central two columns, with supplemental information appearing in a highlighted module to the left or right. Links within the central row call up more specific information in the bottom rows, which are sometimes displayed as columns and sometimes as individual modules.

project
www.vibratonaming.com
Internet site
Flash version 5.0

client
Vibrato
Corporate naming and marketing strategy
Malibu, CA

design
Intersection Studio
San Francisco, CA

Who we are
How we create vibrant names
Why vibrant?
Solutions
Collaborations
Clients speak
Process
Meet Vibrato
Position papers
Contact

Why Vibrant?

A vibrant brand name **resounds** to:

- Assert your differential advantage
- Capture attention
- Rankle your competition
- Begin building recognition
- Be unquestionably memorable

And resonates to:

- Shoulder as much of your marketing burden as possible
- Initiate a meaningful, relevant, and persuasive relationship with your audience
- Reflect the voice, spirit, and values of your offering
- Set appropriate expectations, allowing for the evolution of your offering, technology, and social mores
- Be worth remembering

Who we are
How we create vibrant names
Why vibrant?
Solutions
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Clients speak
Process
Meet Vibrato
Position papers
Contact

Solutions

- No-Naming
- Launches
- Ranch
- Products
- Price/Taxes
- Taglines
- Nomenclature

As You Like It

LEGENDeary

Berried Treasures

Nectar Imperial

Dev

Challenge: The New Yellow Pages

Positioning: Easy access to information you need

Go Figure

*Strategy by Starbucks Ethics

Who we are
How we create vibrant names
Why vibrant?
Solutions
Collaborations
Clients speak
Process
Meet Vibrato
Position papers
Contact

Process

1. Situation, Intent, and Opportunity Study
2. Name Creation: NomenCulture™
3. Report Development
4. Client Decision

Our process empowers us to deliver vibrant solutions.

Four Wave Name Generation

- For each level of each naming path, explore literal and symbolic lexicons
- Harvest a new lexicon: words and morphemes
- Cross-pollinate words, morphemes and ideas
- Self-reflex and recommend naming candidates with rationale using client's strategic objectives and Vibrato's creative standards
- Collate into a first wave master list

Review, Refinements and Second Wave by Senior Team

- Review and score first wave master list
- Explore literal and symbolic lexicons with lighter touch
- Cross-pollinate and self-reflex
- Recommend naming candidates with rationale
- Submit and collate with first wave master list into a final master list

Who we are
How we create vibrant names
Why vibrant?
Solutions
Collaborations
Clients speak
Process
Meet Vibrato
Position papers
Contact

Clients Speak

- BrandNew Consulting
- Promera Corporation
- Hyson & DoubleTree Hotels
- UPT Hunt
- Jetta
- Lexus/Toyota
- Protonet
- Interpump
- Stouffer Studio
- St. Julien
- Wachter Press & Partners

"The thoroughness of her process, along with her creative energy led to a winning product name every time. Meredith brings skill and artistry to every project."

Tate Gray Marketing Director
Lain News

structure

Format-dependent modular grid



exhibit comparisons

03 06 07 09

10 13 16 19

20 22 24 25

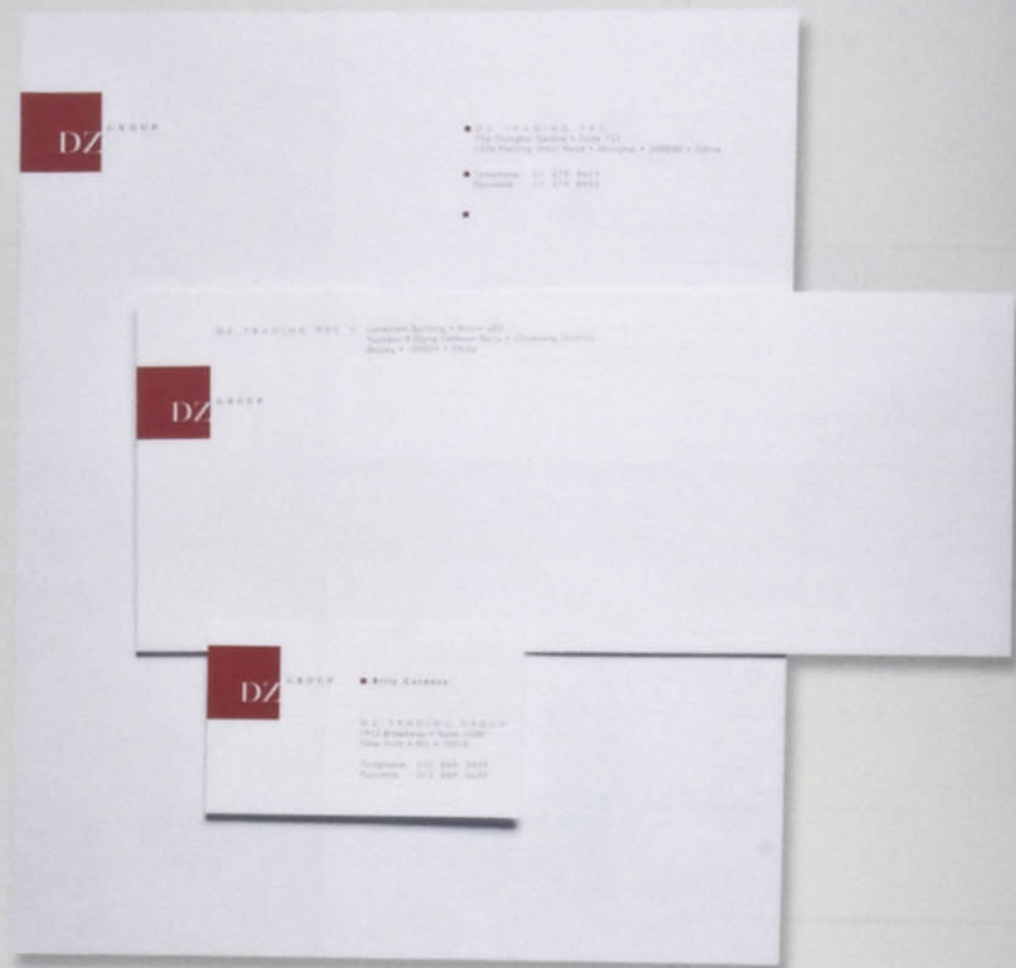
27 29 30 31

34 35 38

02 06 10 12

18 19 21 26

31 35

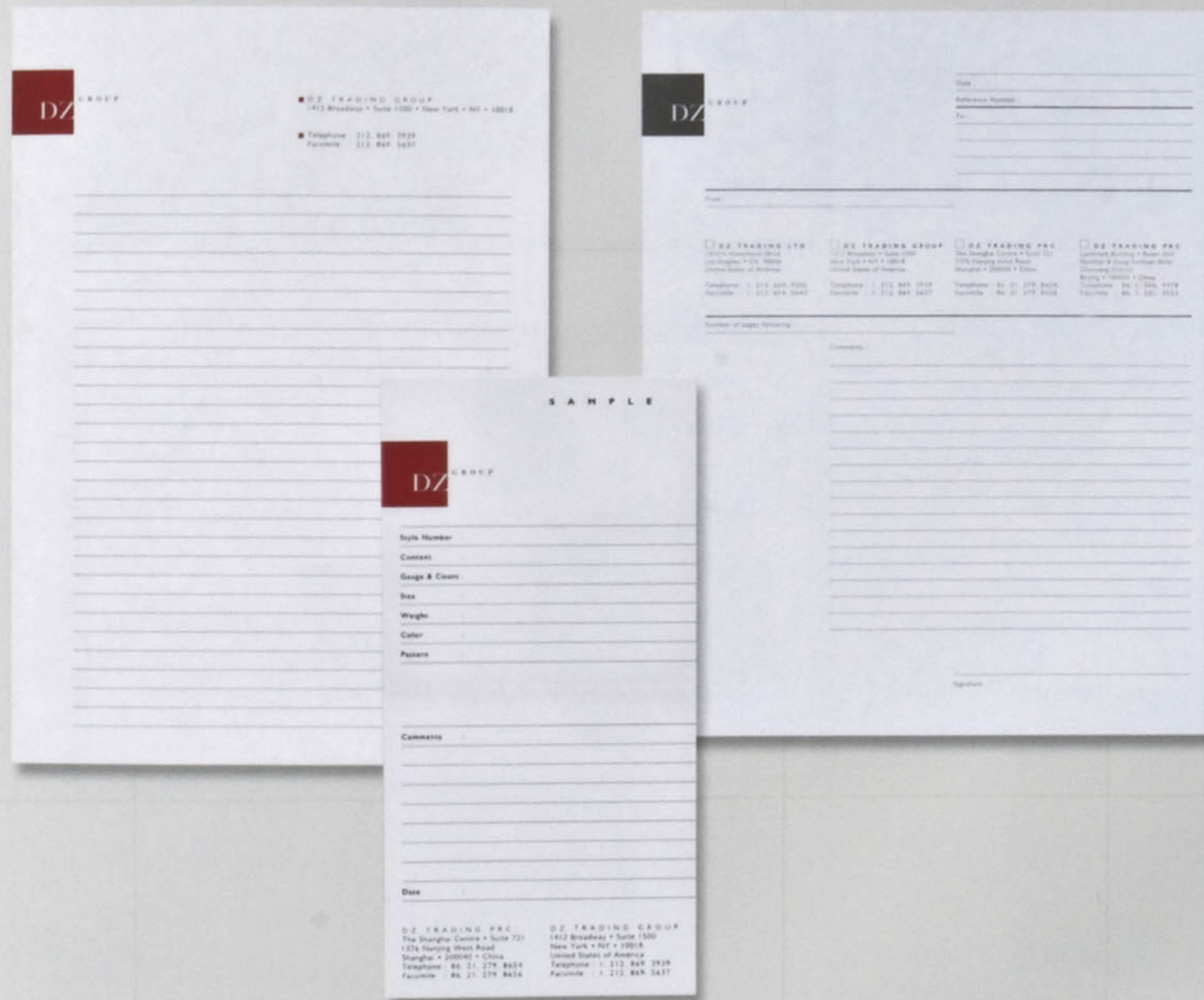


In this rigorously disciplined stationery system for a multinational apparel manufacturer, a strict modular grid helps coordinate internal company communication documents across three continents. The module that orders the document structures is the company's logo itself. The proportion of the red square changes in each format, but its size in a given format determines the placement of all typographic material therein. By setting up specific, related column structures in all of the printed materials, the modular grid helps order multiple addresses and complex forms for a coherent, recognizable brand image.

project
Corporate identity
Stationery system
Offset lithography and
spot engraving

client
DZ Group
Apparel manufacturers
New York, NY
Los Angeles, CA
Shanghai and Hong Kong,
People's Republic of China

design
Paone Design Associates
Gregory Paone
Philadelphia, PA

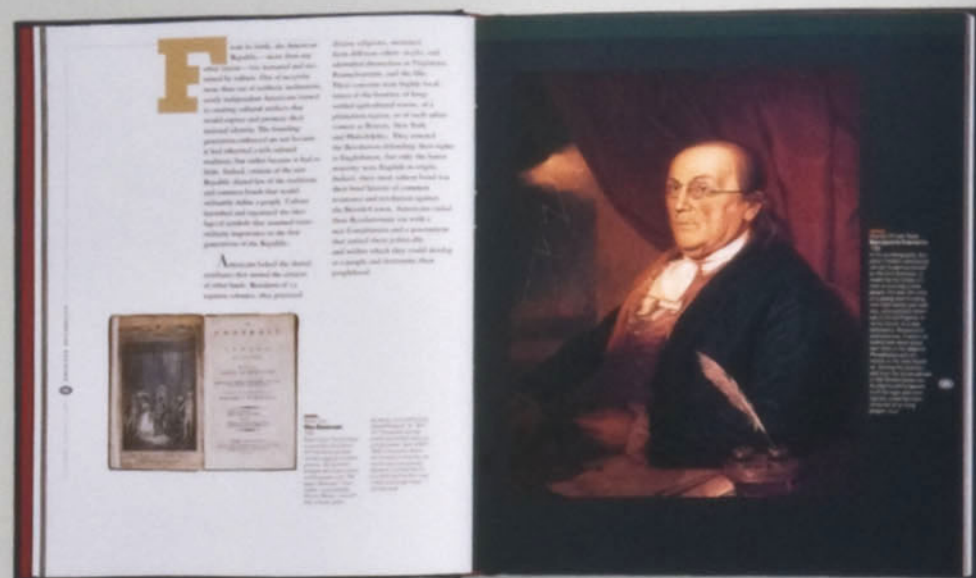


structure
Column grid



exhibit comparisons

- 02 05 08 11
- 12 14 18 22
- 26 28 33 36
- 37
- 04 05 07 09
- 10 13 15 16
- 23 24 30 31
- 36 37



project
Cultural Connections
Book
Casebound with jacket
Offset lithography

client
Temple University Press
Academic publishers
Philadelphia, PA

design
Katz Wheeler
Joel Katz [AD]
Philadelphia, PA



A six-column grid supplied the variety needed to encompass an enormous variety of artifacts, descriptions, and listings for this hardcover book on the museums and libraries of Philadelphia and the Delaware Valley.

For essays and their supporting images in the book's first section, the six columns are used as three. Running text hangs from a single flowline near the top of the page, starting and ending with a complete paragraph. Each spread is informationally independent: only images referred to in the text on that spread are shown. The tremendous flexibility inherent in the column grid allows the designers to vary the layouts to accommodate unusually-shaped artifacts, but the hangline and natural ending depths of the text give a unified quality to the information.

Captions occupy a single, narrow column and can be placed in close proximity to the image they notate; the precision of the six-column grid ensures they always align with it, regardless of where they must be placed.

In the listing of institutions that makes up the book's second major section, this text structure is even more useful; each institution's listing, no matter how involved, is available at a glance. Captions in this section occupy a single column between two double-wide text columns. Each width is suited to the respective type size and function of the information.

structure

Modular grid



exhibit comparisons

03	04	06	07
09	10	13	13
16	17	22	24
25	27	29	30
35	38		
02	03	06	08
12	17	18	19
21	26	31	

Japanese designer Igarashi's signature three-dimensional letterform sculptures fill a modular grid in this exhibition poster. The grid is used to provide distinct components of information—venue, date and time, event sponsor—and as a convenient way to group dozens of photographs of the letter sculptures. Thoughtful placement of individual images sets up optical rhythms within the rows and columns of square snapshots, almost like the storyboard of a film sequence.



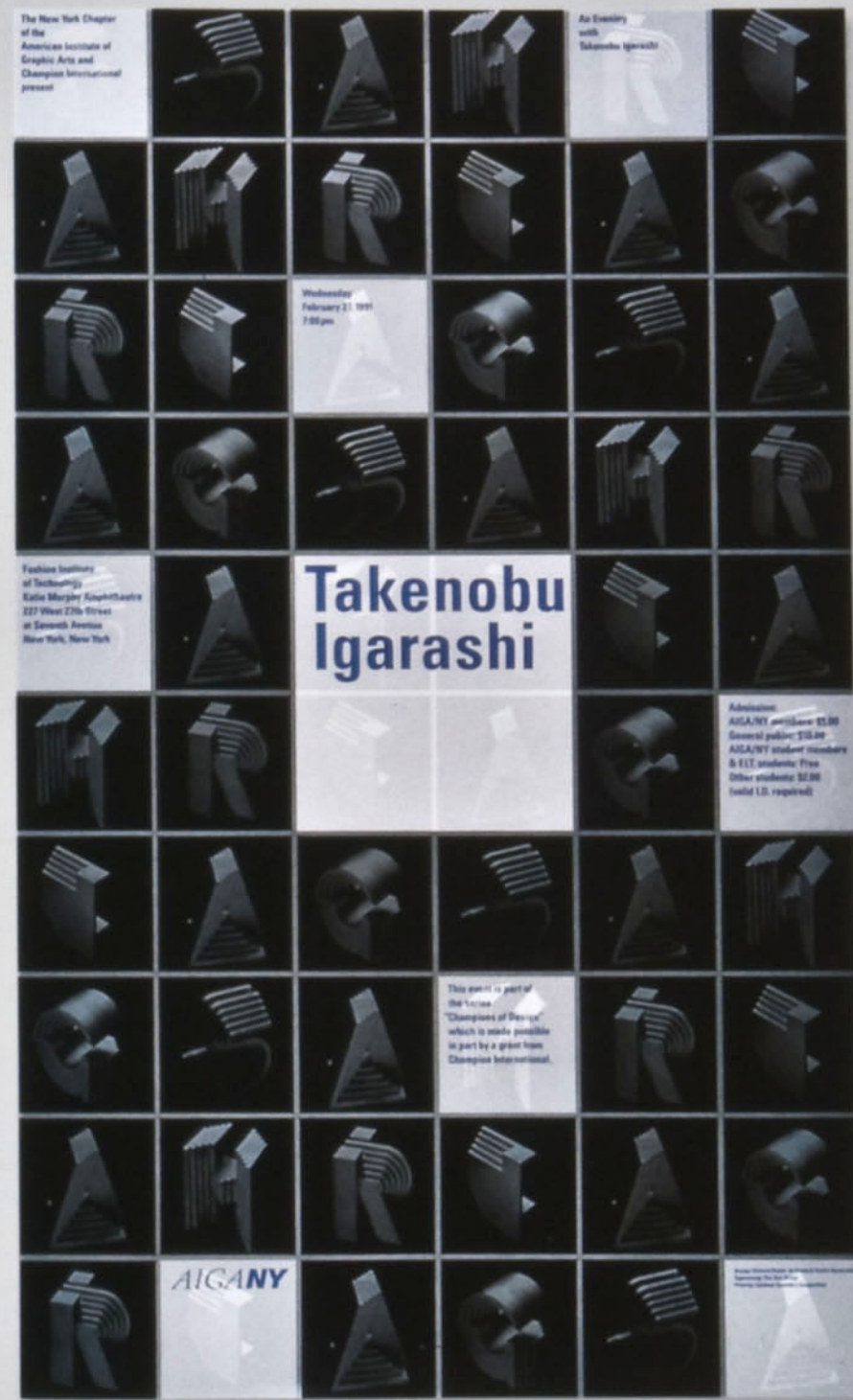
The translucent white modules separate from the background to draw attention to the information, and their asymmetric arrangement heightens the sense of movement within the format.

project
Takenobu Igarashi
 Exhibition/lecture poster
Offset lithography
 two colors

client
AIGA
 American Institute of
 Graphic Arts,
 New York Chapter
 New York, NY

design
Foulin + Morris
 L. Richard Poulin
 New York, NY

photography
Takenobu Igarashi
 Tokyo, Japan



structure
Compound
modular and
hierarchical
grid

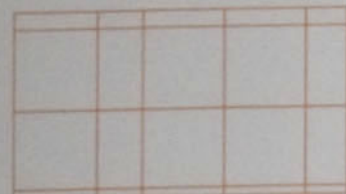
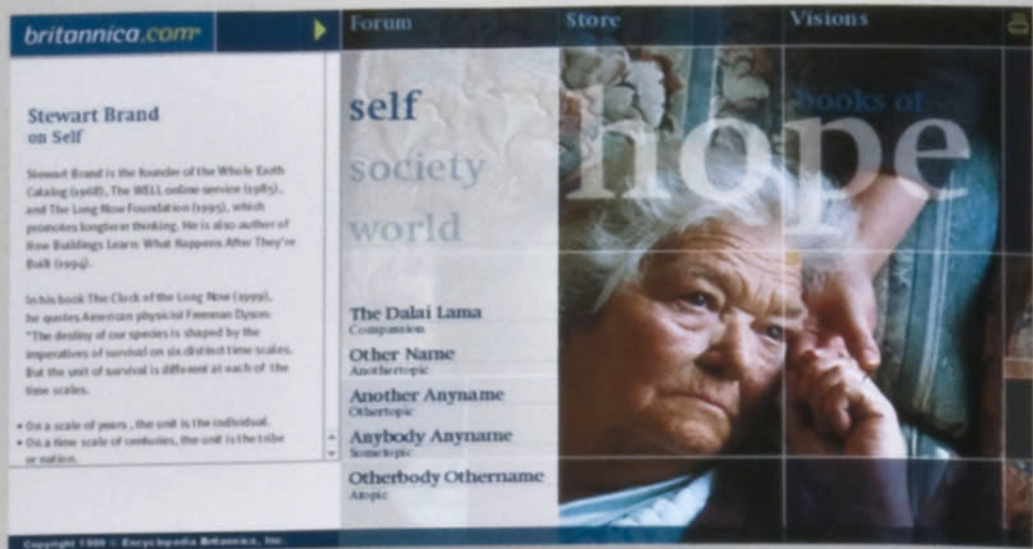


exhibit comparisons

- 03 04 06 07
- 09 10 12 13
- 16 17 19 20
- 22 23 24 25
- 27 30 32 34
- 35 36 37 38
- 02 04 05 06
- 12 14 16 18
- 19 21 22 26
- 31 37

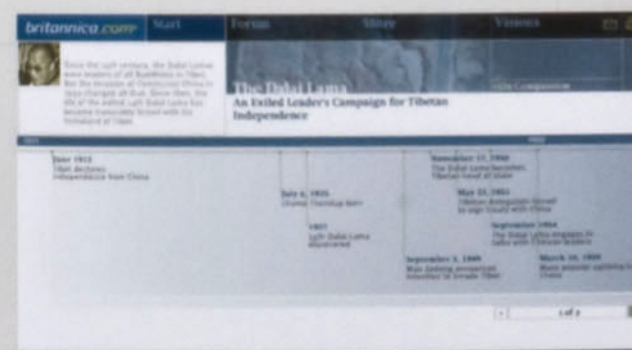
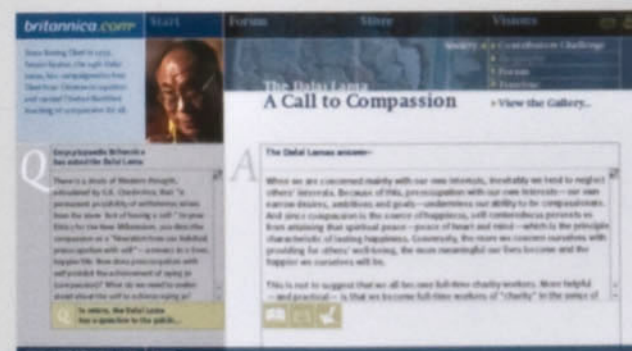
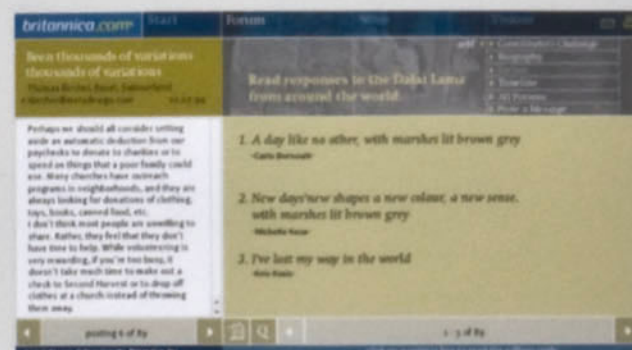
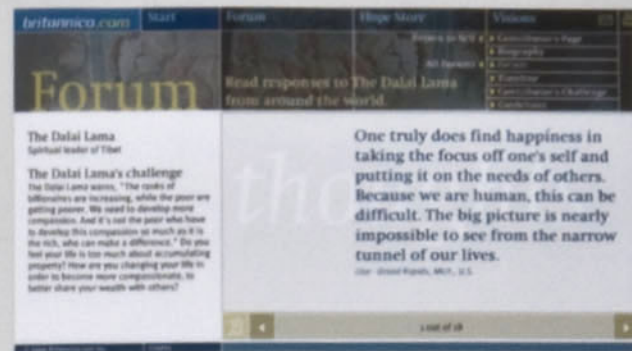


Visitors to the Books of Hope site, a subsection of Britannica.com, can interact with some of the most important thinkers in the world, participate in discussions, view biographies, and peruse an extensive image gallery. A hierarchical grid houses the various areas and incorporates a number of interactive tools developed specifically for the site: timelines, galleries, and a forum in which users can respond to contributors' essays.

project
www.britannica.com/
booksofhope/
Internet site
PHP and JavaScript

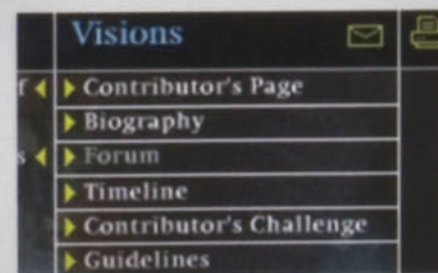
client
Britannica, Inc.
Publishers
Chicago, IL

design
MetaDesign SF
San Francisco, CA

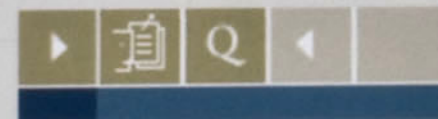


The hierarchy is divided into four major areas: a branded navigational bar relating to Britannica.com; a navigational area housed in modules that expand or collapse as needed; a left-hand column that acts as a lead-in or informational addendum to the primary content; and the primary content area, which houses timelines, essays, and biographies.

Each hierarchical area assumes importance or diminishes in importance depending on where the user is located within the site; careful attention to type sizes and luminosity differences between grid areas helps some information recede when needed. The most important information in a particular screen comes forward clearly.



The modular nature of the structure becomes evident in the interface details such as markers, pagination icons, and menus.



structure

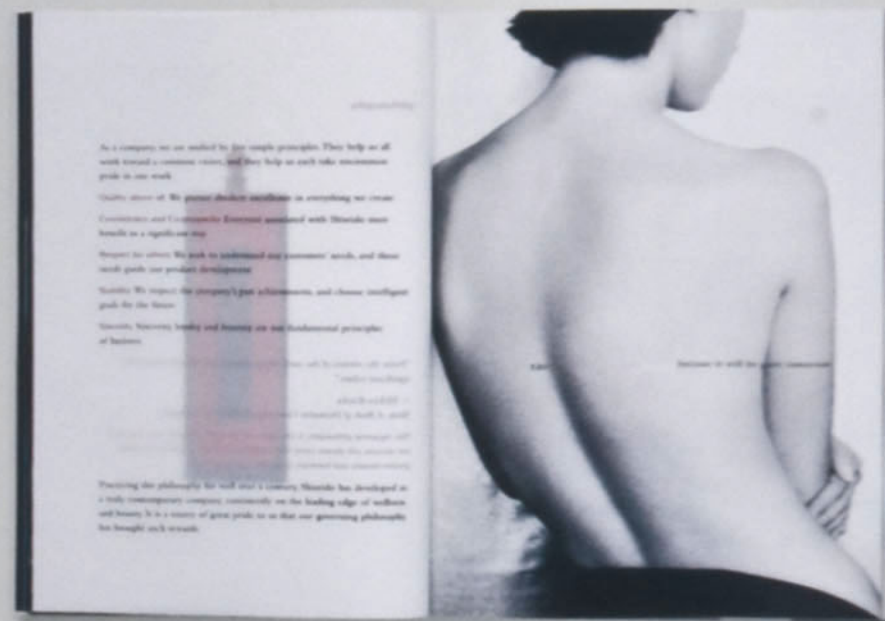
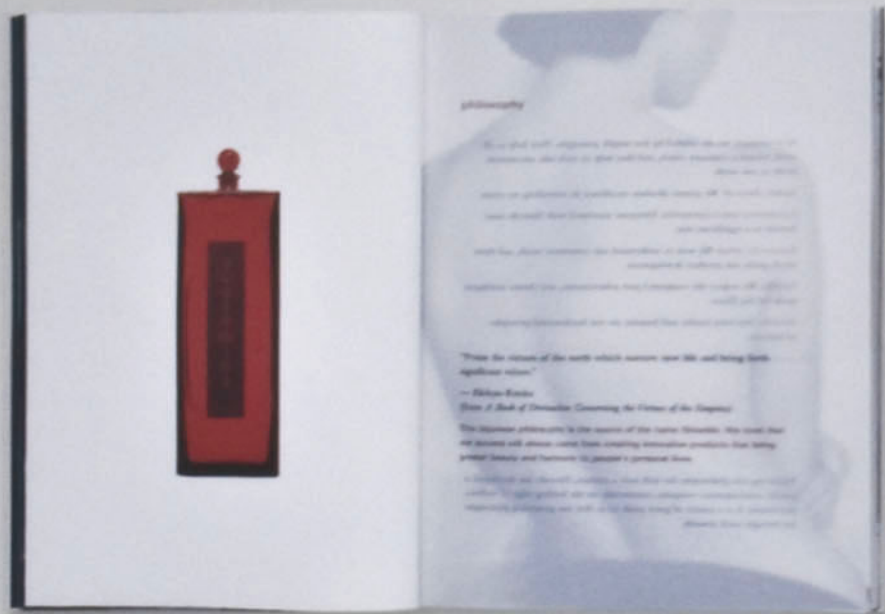
Modified manuscript grid



exhibit comparisons

01 15 36

02 06 13 27



project
Beauty
Product promotional book
Casebound book
Embossed cover, heavy rag
printmaking paper
Text printed offset on
coated stock and vellum

client
Shiseido Cosmetics
Cosmetics manufacturer
Tokyo, Japan

design
Tolleson Design
Steve Tolleson [AD]
John Barretto
San Francisco, CA

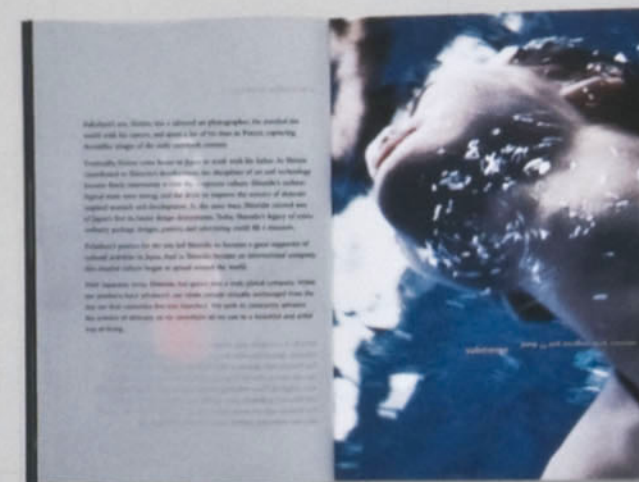
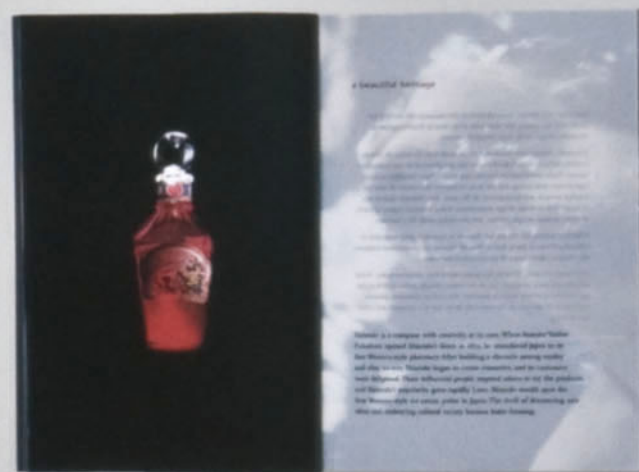
photography
Thomas Arledge
Morley Baer
Chip Forelli
Anthony Gordon
Sal Graceffa
David Martinez
Glen McClure
David Peterson
Robert Sebree

illustration
Graphistock Stock
Image Bank Stock
Photonica Stock

A center-axis grid and translucent papers give restrained definition to the manuscript structure used for this promotional book. Relatively wide lateral margins and an especially deep head margin set the primary text block low on the page and give it comfortable room within the small format. A strong horizon links photographic spreads containing a single line of type to the justified blocks of text with a vertical axis.

See-through vellum is printed in sheets twice the width of the regular text pages so that it can be folded and bound with its leading edge out. Paragraphs of text printed on both sides of the folded vellum are visible; distinct flowlines designate areas for these corresponding areas of text so they don't overlap each other from side to side; instead they step out of the way.

Foreground and background text engage in subtle shifts of alignment with the photographic images on the pages before and underneath. The sense of continuity between the text and contrasting types of images—color/black-and-white, product/figure, figure/landscape—is maintained through the consistency of the grid's simplicity.



structure

Proportionally integrated column and modular grids

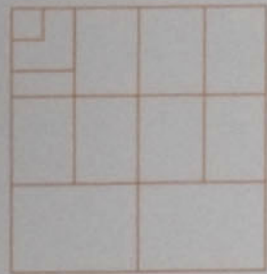


exhibit comparisons

02 03 06 07

09 10 11 12

13 14 17 18

19 24 26 27

30 31 33 37

02 05 06 12

13 15 18 19

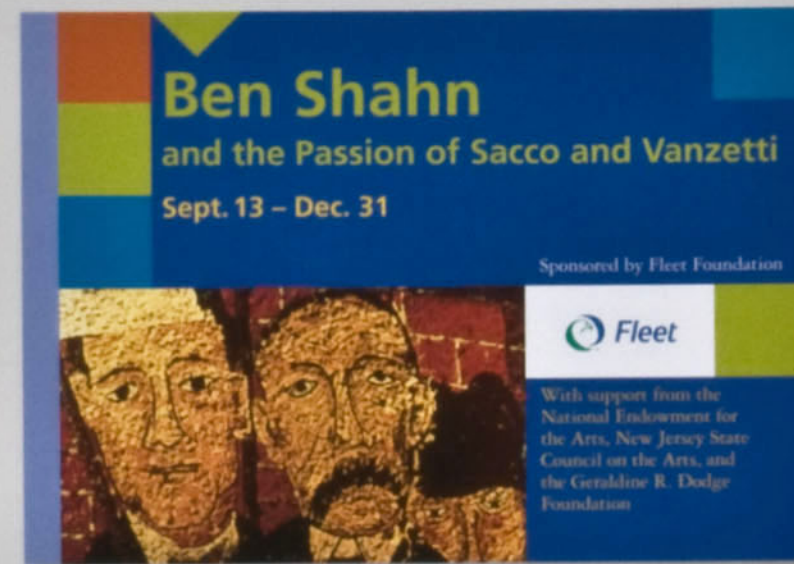
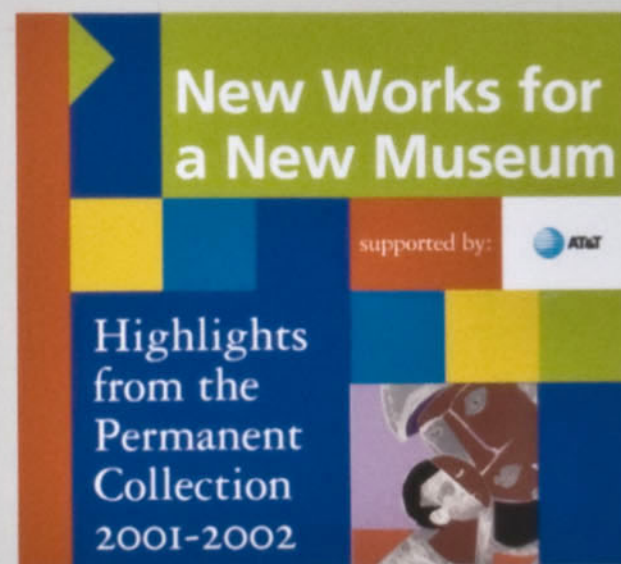
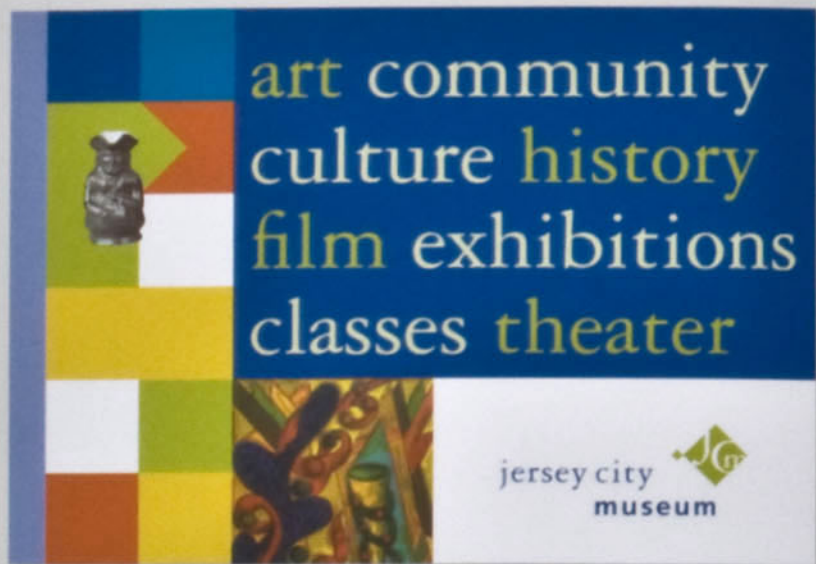
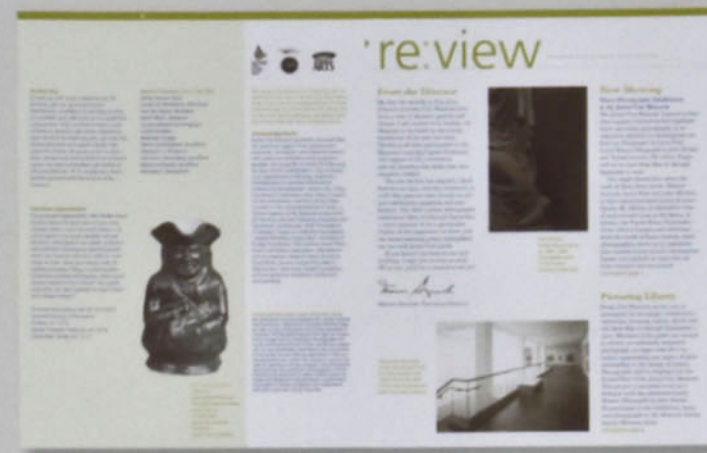
31 36



project
Corporate identity
Stationery, print collateral,
and signage applications
Offset lithography and
large-format platter

client
Jersey City Museum
Cultural and arts museum
Jersey City, NJ

design
C. Harvey Graphic Design
Catherine Lee
New York, NY



In this identity system, a system of grid types and modular design elements unifies the communication for a cultural institution and provides flexibility for new applications. All of the materials use a grid of columns defined by the format's proportions, rather than a set of predetermined proportions, as is often the case with large-scale identity programs; sometimes two columns are needed, sometimes four. In all cases, a consistent set of flowlines separates the given format in half or into thirds or quarters. The relationship between the columns is allowed to change: in

the newsletter, the columns run next to each other for continuous text, but are allowed to break into a half-column width to accommodate captions for images; in the membership brochures, the columns are spaced for the narrow panels of the three-fold format to retain the asymmetry of the margins that characterizes the larger applications. In some instances, the column grid becomes modular and literally articulated as squares of color, as in the exterior exhibition banners. This modularity helps accomplish several goals: it creates a more

promotional presentation appropriate to the message's context; it allows the same format to unify drastically different messages and artwork that is being promoted; and it helps to reinforce the architectural source of the museum's logo—the rotated square decorative element from the building's facade. The module shape is also used extensively as a counterpoint to the vertical column and bar structure throughout the informational literature.

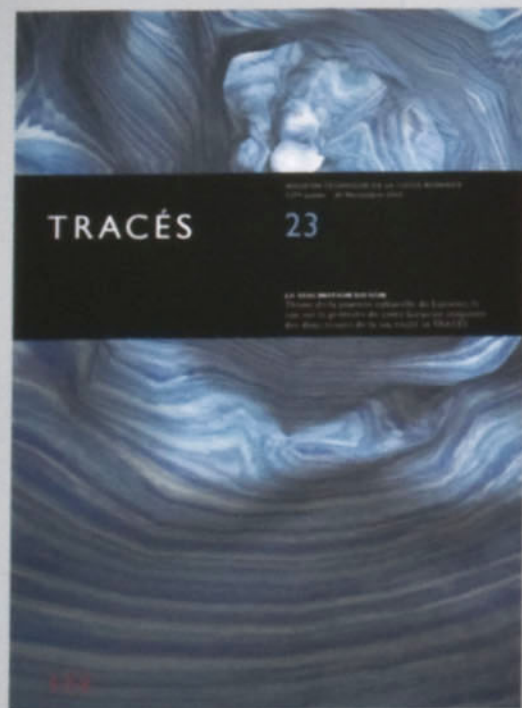
structure

Hierarchical grid



exhibit comparisons

- 04 07 10 12
- 20 31 32 36
- 02 07 14 16
- 17 22



The image material provided for consideration in designing this trade magazine's covers was of low quality; for budgetary reasons no new photography would be possible. As a solution, and to create distinction, the designer implemented a compositional system based on a colored band that holds the masthead, which is able to slide up and down on the cover in response to whatever image is available.

The A4 format is divided first by a square of its width, based on the proportioning of the golden section in classical architecture. The masthead band is equal in height to one-third of that square. Within the band, the information—magazine name, volume number, and contents—is distributed vertically along flowlines that divide the band into quarters and is broken by a vertical division that also corresponds to the golden section. The width of one-quarter of the band establishes the outer margins for typography.

As the band is positioned during the design process, it reveals and obscures different aspects of the background photograph, and it also divides the entire page in harmonious proportions relating to the golden section. The aggressively rigorous geometry of the layout system helps to mask the poor quality of the images and helps create consistency between editions.

project
Masthead & cover system
Tracés magazine
Offset lithography

client
IAS/Tracés Magazine
interior design and
architectural publishers
Eclabens, Switzerland

design
Atelier Poisson
Giorgio Pesce
Lausanne, Switzerland



structure

Modular grid



A comfortably proportioned modular grid provides overall branding continuity and endless layout variations for Springer, a publisher of textbooks. The program uses a grid of modules that, unlike other grids of this kind, butt each other like a chessboard. The lack of gutters or margins means that the actual book formats can be configured on the grid for greater consistency, and the gridded image areas always align with each other and with the book's spine and edges.

The schematic shows the publisher's in-house designers a number of options for using the grid to vary the placement of images, type areas, and areas of flat color. Sequences of books in a single subject can be grouped with a single layout, but be given their own identities through color and image variation. Bold scientific materials, as well as more reserved layouts for literature and critical essays, are equally possible.

exhibit comparisons

03 06 07 09

10 13 16 17

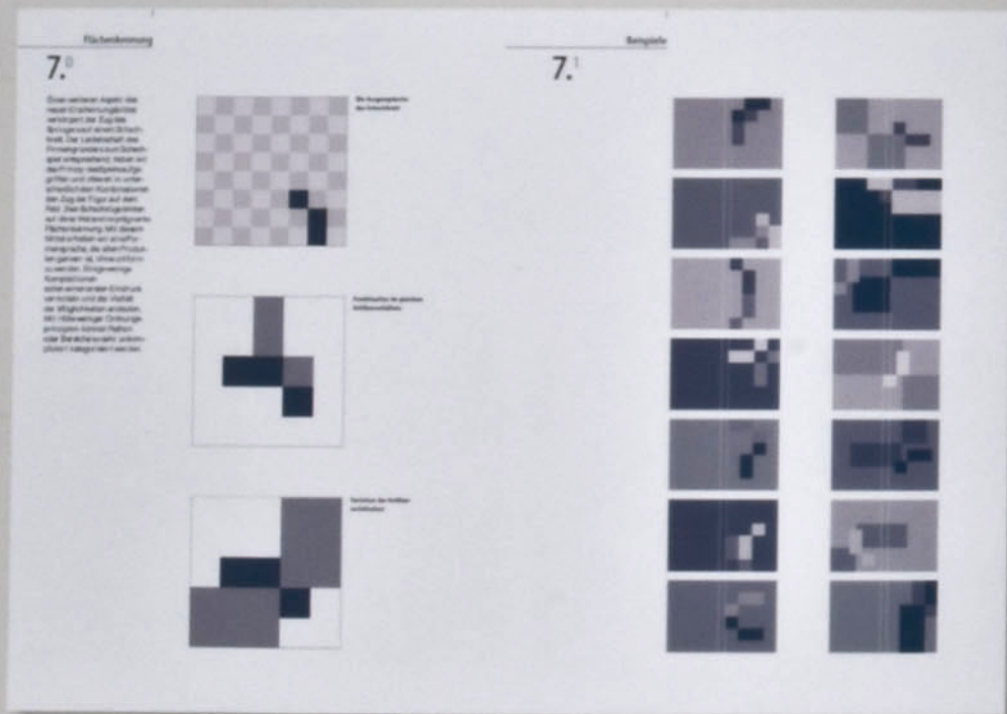
19 22 23 25

27 29 30 34

38

02 06 12 18

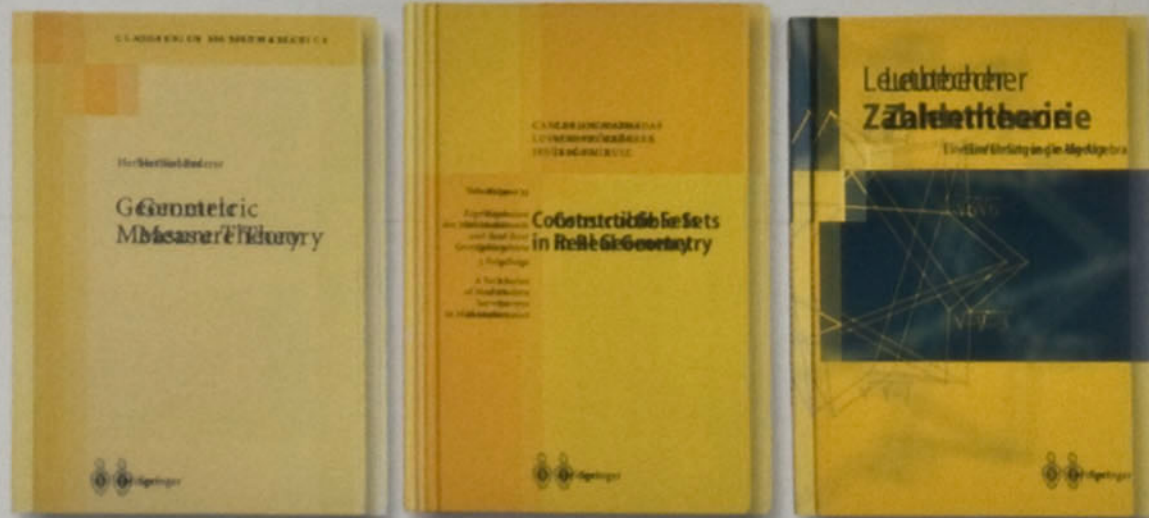
19 21 26 31



プロジェクト: Bobbier design system
 タイポグラフィおよび色使いに関するルールと規範の整理
 表紙デザイン

クライアント: シュプリンガー・コリアー社
 出版社: publishers
 国: Germany

デザイナー: メタデザイン・ベルリン
 国: Germany



structure

Modular grid

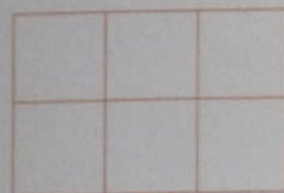


exhibit comparisons

03 06 07 09

10 13 16 17

19 24 27 29

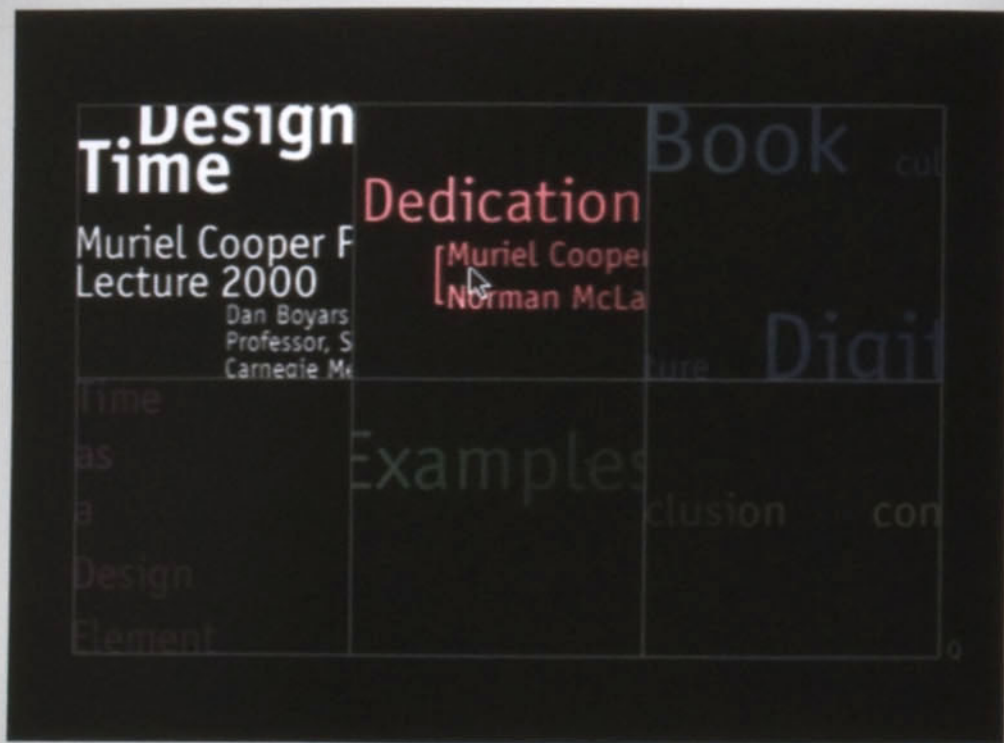
30 35 37

02 06 07 12

18 19 21 26

28 31 36

This digital presentation uses animated sequences and navigation through a modular grid to give support to a lecturer. The module is a square, made visible as gray hairline rules. Each module in the main content menu displays specific information and acts as a link to the information when clicked on with a cursor. The module is subdivided to reveal the detailed set of information within it, and each of these subdivisions links to additional information expanding on that selected topic.



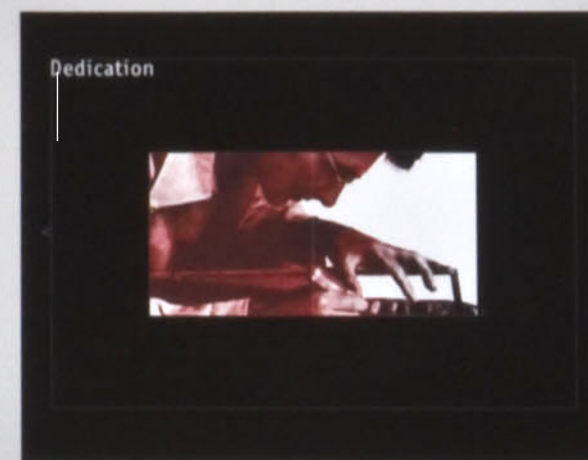
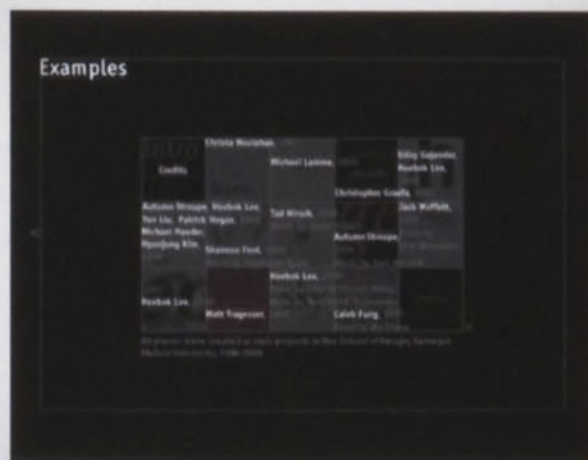
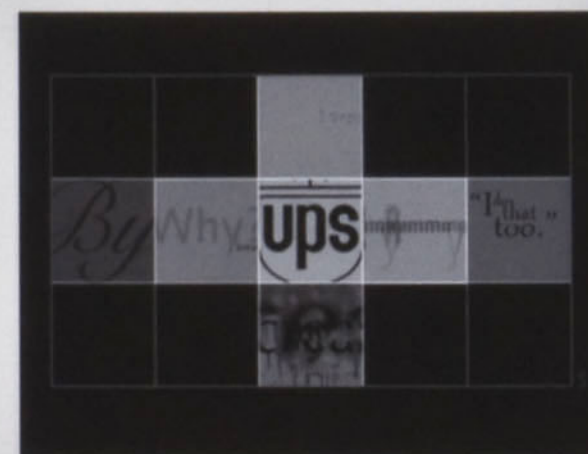
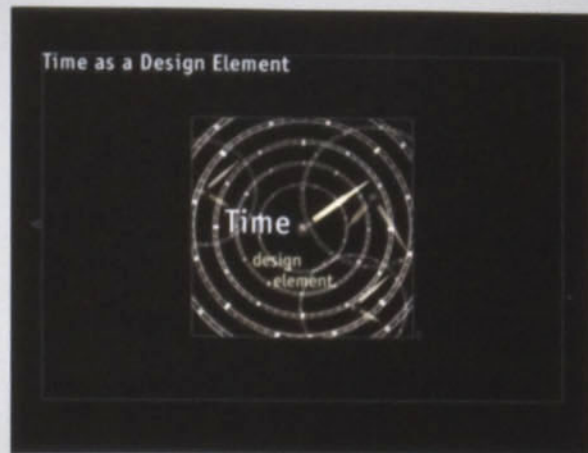
An unobtrusive arrow at the left of the module frame permits the lecturer to return to a previous frame. Organizing the naturally dendritic structure of interactive navigation through a grid helps to maintain visual continuity between the various "frames" or "pages;" the number of subdivisions within the viewing area lets the

lecturer know their depth in the information structure; and the grid provides a way for the lecturer to seamlessly and spontaneously select a path through the presentation without having to reprogram or reorganize the information.

project
Designing with Time
Digital presentation

school
Carnegie Mellon
University
Educational Institution
Pittsburgh, PA

design
Heebok Lee
Daniel Boyarski
Pittsburgh, PA





関連図表 Comparisons

0202 0505 0808 1111

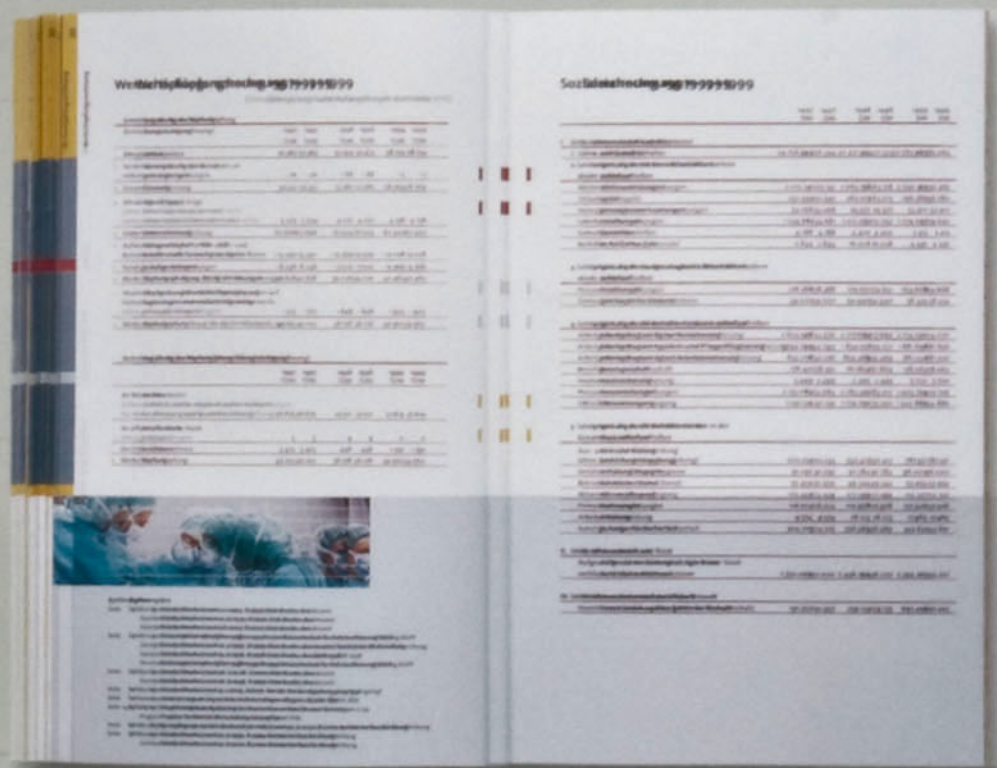
132 144 188 222

288 333 377

085 0707 0809 1010

133 155 186 244

227 330 331 386



プロジェクト
Fiscal report
印刷機
オフセット印刷、マット
コート紙
製版
プラスチックフィルム
のはり込み

クライアント
ドイツ赤十字社
Reichshaus
Berlin

デザイン
Incorporate
Communication + Design
GmbH
Karsten Unterberger
独、ベルリン

photography
Thomas Hillmann
独、フレイムツァ
Hoffmann + Laible
Osternberg, Germany
独、オルテンブルク



このベルリン病院の会計報告書に使われているのは、オープン
ドックの2段組みのグリッドに、左側に追加したグリッドだ。
左側に幅の異なるグリッドを設け、その中心に半角の番号をわざ
と横割りに配置している。列の主要な文字や数字の位置
をページの中心からずらしているのだから、各セクションの
Running text for a given section flows from the
本文はすべて左側のグリッドから流れるが、その長さ
に応じて、右側のグリッドで終わる。右側のグリッドで
たりずる。右側のグリッドは、半角の番号が折り返し
elements flip inward over the second column
折り返しが右側から折り返し、その内側に補足的な
of the right-hand page as a gatefold, providing
記事や図表が配置されている。読み手は、手紙を開
て、折り返しを開くことで、付随的な文章や画像を見る
という仕組み。この折り返しは、ほとんどすべて、ポップ
special tipped-in images, such as X-Ray film
アップやプルタブ（引き手）といった、読者が手で動かす
タイプの仕掛け。X線やMRIのさまざまな種類の図表
が提供されている。part of the page by a hangline that
defines an area for graphs, medical diagrams,
and financial information. Financial highlights
各見開きページの下半分には、半角の番号がページ上部と仕切
られており、それが医療関係の図表、財務情報などを配置
するエリアに当てられている。報告書の後半に掲載する財務
関係の重要な資料には十分な幅が必要なので、両方のコラム
をつなげて使用している。



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03 06 07 09

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19 20 22 24

27 29 30 35

38

02 06 08 11

12 18 19 21

26 31 36



project
Documenting Marcel
Exhibition poster
Silkscreen, two colors

client
Reinhold-Brown Gallery
Art gallery
New York, NY

design
Skolos/Wedell
Canton, MA

photography
Skolos/Wedell
Canton, MA

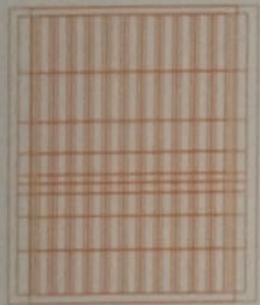


While this heavily gridded poster displays some characteristics of deconstruction (explored in-depth in the next section, *Breaking the Grid*), its structure is based on a grid inherent in the content of the exhibition it describes—a show commemorating all of Dadaist Marcel Duchamp's eighty-one exhibitions. Duchamp was an avid chess player, and the psychology of chess—its hidden strategies, its structural qualities—played an important role in his artistic pursuits, appearing in paintings and acting as an organizing principle in various word games and constructions.

In this poster, the three-dimensional chessboard of the photograph acts as both a conceptual and literal structure for organizing the type, which details all of the artist's exhibitions during his lifetime.

The play of surface generated by the cubes is sometimes perceived as flat, sometimes as advancing, and sometimes receding. Type on these surfaces interacts with the background of each respective "module" and leads the viewer across the board as though the game is being played—a metaphor for retracing events in the artist's career that he may have found intriguing.

structure
Modified
column grid



ex 関連図版例 comparisons

0202 0505 0808 1111

1212 1414 1818 2222

2828 3333 3737

0101 0404 0808 0707

0909 1010 1313 1515

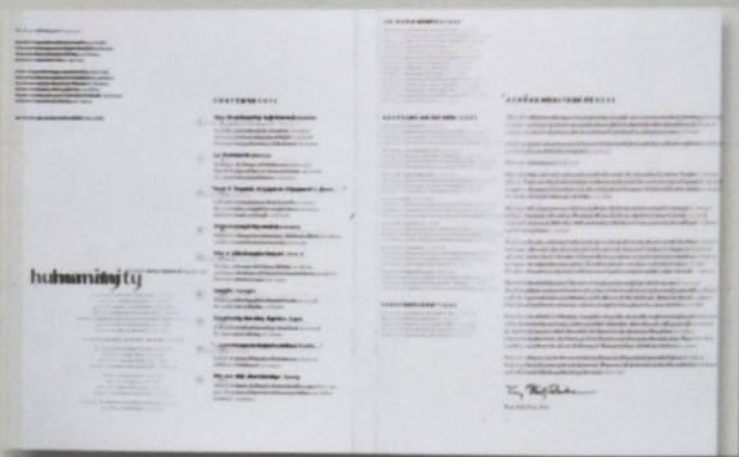
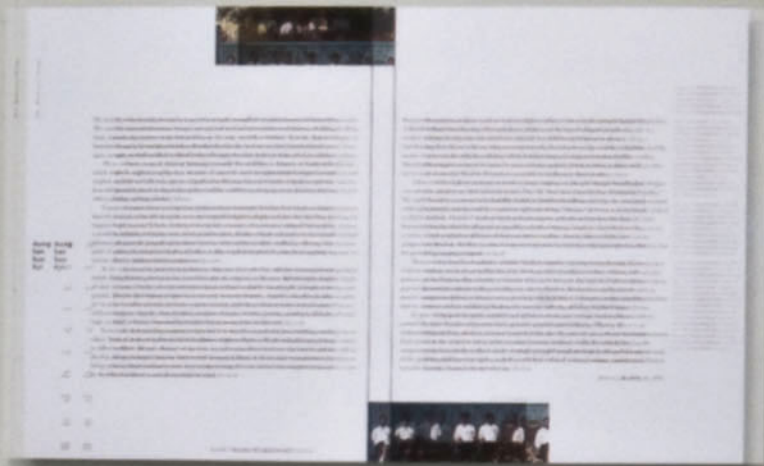
1616 2323 2424 2828

3030 3131 3636 3737



人類が経験しているさまざまな出来事を明らかにし、その背後にある普遍的な法則を探る。この平凡な構造のフローライン（横線）でテキストが配置されている。この結果このグリッドは、視覚的な「水平線」に沿って各種の素材を構成し、見方を象徴するものとなっている。デザイナーはまず、紙面の水平線を引き、そこを基準として、呼ばれる数列を用いて一連のグラフィックを引いた。

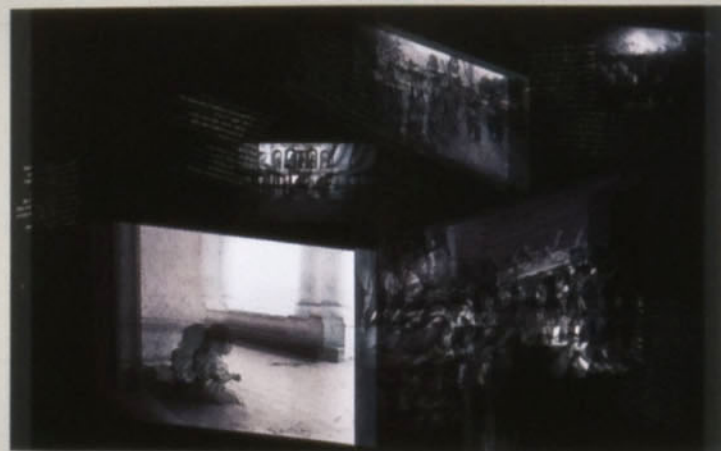
generating a progress about human rights divide the page into twelve equal columns of 4.5 picas. This mundane structure contrasts with a unique structure of flowlines that emphasizes the horizontal aspect. The horizontal line crosses the lower third of the format, and from there the design is based on subsequent flowlines on a mathematical progression. On the page, and here they cause perspective lines. The hanging line for text is therefore relatively low on the page. Text arranged in columns can be shifted along these lines like faults, creating additional optical weight. Equal texts, like those that are spoken or come from letters or notes.



プロジェクト
Editorial system
Periodical magazine
Of the United Kingdom

クライアント
The Economist Magazine
Northern Ireland, Provinces

デザイナー
The Economist
Northern Ireland, Provinces



01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

structure

Modular grid



exhibit comparisons

03 06 07 09

10 13 16 17

19 22 24 27

30 35 38

02 03 06 12

18 19 21 26

30 31

For this trade exhibit of furniture produced by a venerable Italian manufacturer, the designer brings the organizational grid into physical existence. The subtle irony here is that while interior designers use a flat grid to plan a three-dimensional space, the grid is made three-dimensional, and the furniture's "real" presence in this exhibit is represented by a single, iconic chair, set apart from the remaining space on a glass platform exactly three grid-modules square.

The rest of the furniture is displayed as flat photography organized in a three-dimensional plan. As a result, a great deal more furniture can be shown, and the exhibit has a much greater presence because of its unusual approach. Articulating the grid through the use of materials adds a tactile quality and a solidity that imparts a serene order to the space. The modules in the floor are stone blocks; the vertical displays, showcasing the photographs of furniture, are brushed steel planks that have been inserted between the floor blocks. A glass plane under the iconic chair and the floor blocks creates reflection, highlighting the chair's physicality and linking it to the remainder of the grid.

Translucent scrims stretch from the floor in front of walls that have been airbrushed from lighter to darker, and then lit from below, giving the impression that the walls and vertical plinths are floating; despite its apparent rigidity, the grid assumes a light, ethereal quality.

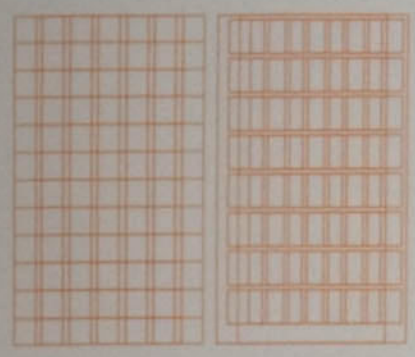
project
Exhibition space
Steel panel flooring
Brushed steel panels
Photographs
Upholstered chair

client
Poltrona Frau
Contract and residential
furnishings
Tolentino, Italy

design
Vignelli Associates
New York, NY



模造
モジュールグリッド
(単一型と複合型)
Modular grid
(singular and compound)



例題比較例題 comparisons

0303 0806 0707 0909

1010 1313 1616 1717

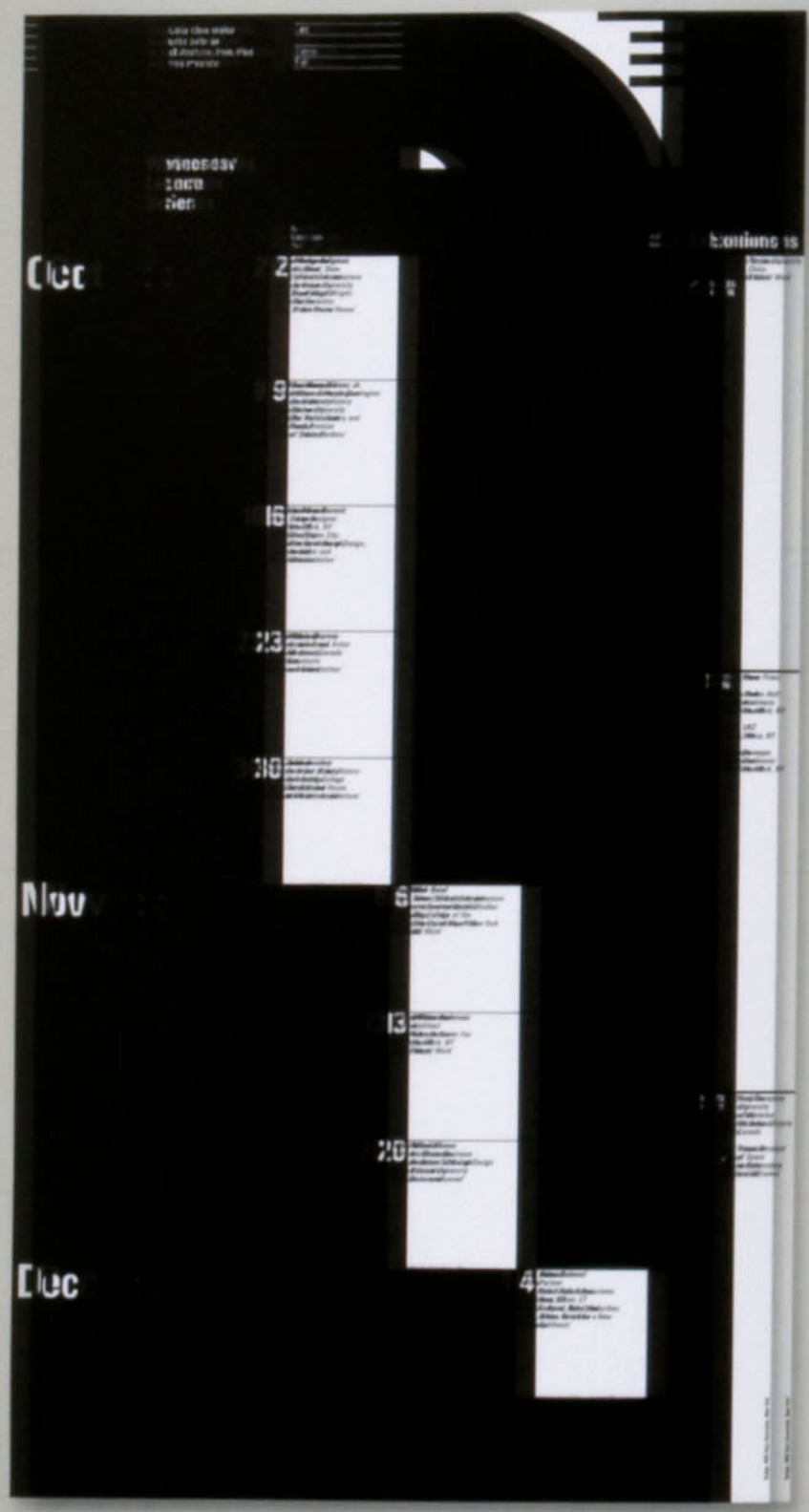
1919 2222 2424 2727

2929 3535 3838

0202 0606 0909 1212

1818 1919 2121 2323

2020 3131 3838



プロジェクト
Lecture posters
シリーズの一部 (insuing series)
オフセット印刷 (offset)

クライアント
コロンビア大学建築学科
教育機関 (School of Architecture
Educational institution)
ニューヨーク州、ニューヨーク
New York, NY

デザイナー
ウイバトカワタ、アランシエイツ
ニューヨーク州、ニューヨーク

ニューヨークのこのコロンビア大学建築学科が長期にわたって働いている建築ラビオラ用のポスターは、Columbia University School of Architecture in New York, is constructed on a modular grid. The poster's modular grid is reversed, but the blocks for the lectures are reversed out of the black field. All the lectures for a given month are placed in a single row, and the rows are placed in a single column. The modular grid is reversed, but the blocks for the lectures are reversed out of the black field. All the lectures for a given month are placed in a single row, and the rows are placed in a single column. The modular grid is reversed, but the blocks for the lectures are reversed out of the black field.

In the poster at left, the organization of the blocks for the lectures is reversed out of the black field. All the lectures for a given month are placed in a single row, and the rows are placed in a single column. The modular grid is reversed, but the blocks for the lectures are reversed out of the black field.

In the poster at right, the designer uses the module more freely, hiding it to a certain extent. The poster's modular grid is reversed, but the blocks for the lectures are reversed out of the black field. All the lectures for a given month are placed in a single row, and the rows are placed in a single column. The modular grid is reversed, but the blocks for the lectures are reversed out of the black field.



structure

Proportionally integrated hierarchical grids

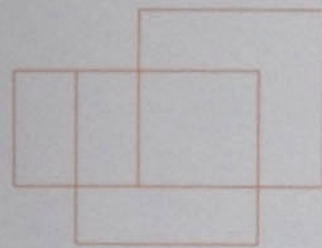


exhibit comparisons

04 07 17 20

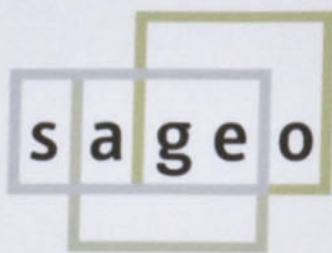
22 23 32 34

36

05 07 09 12

14 16 20 22

35 36

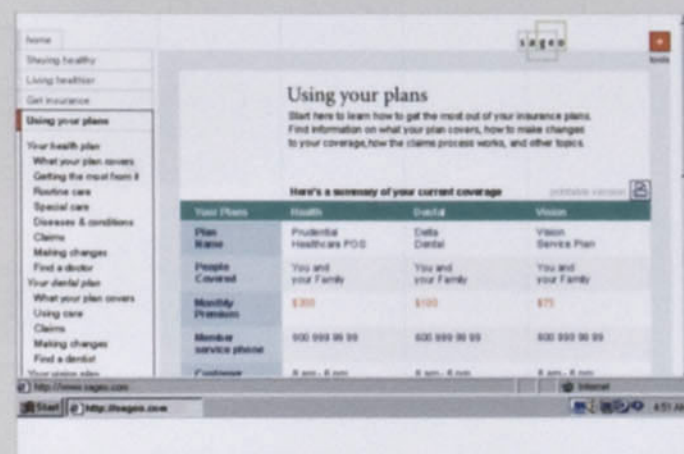
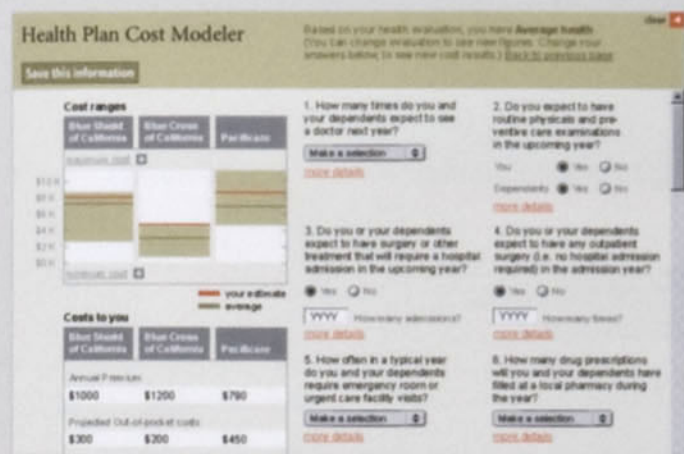
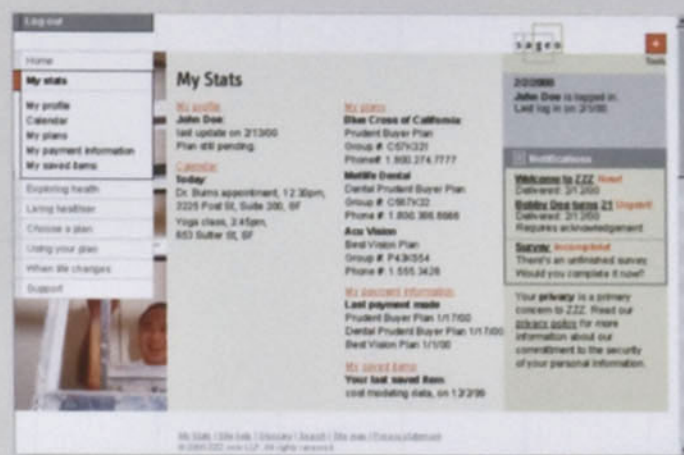
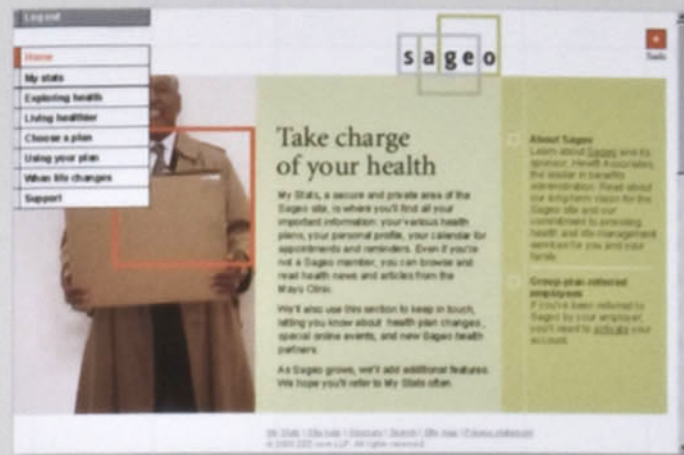


A simple hierarchical grid defines the expression of Sageo's identity. The proportions of the linear logo structure correspond to those of the typography they echo, and this flexibility of proportion carries through to the structuring of the company's print materials. The stationery, for example, reflects this loose grid in line treatments and column areas that depend on the given format's size, shape, and function.

project
Identity system
Stationery applications
and online branding
Offset lithography
print, and Java script

client
Hewitt Corporation
Health care providers
San Francisco, CA

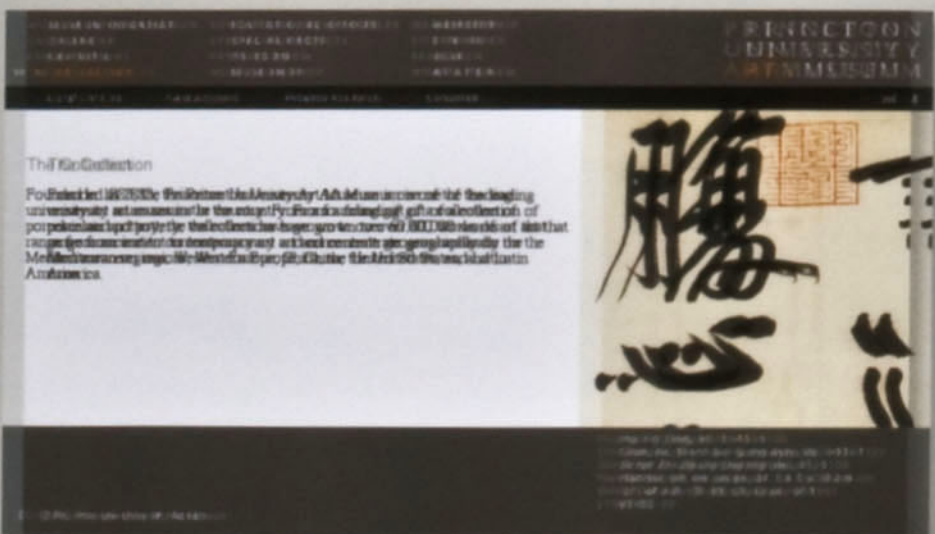
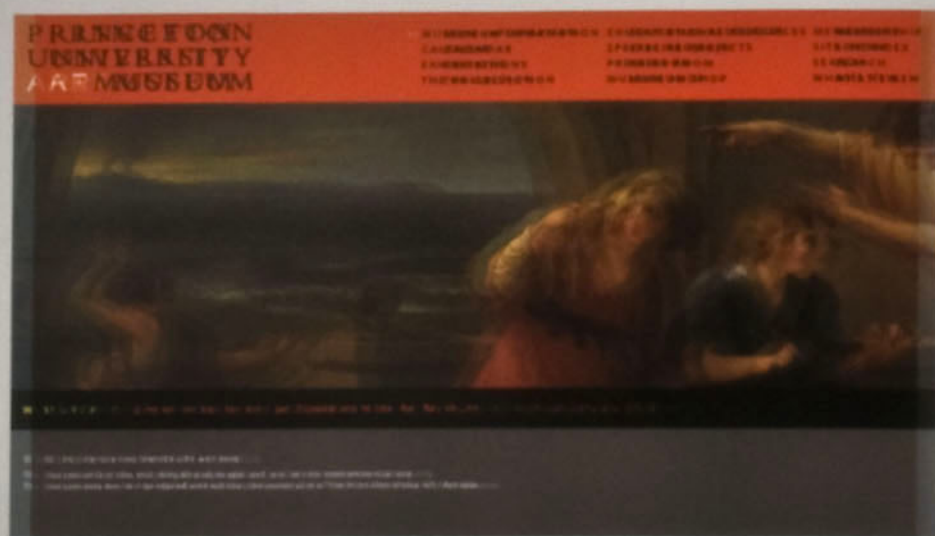
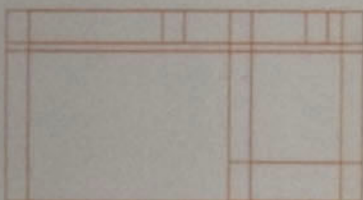
design
MetaDesign SF
San Francisco, CA



In the letterhead, the area set aside for the body of the letter is integrated with the printed information through linear elements that define the function of these areas. Fields of color on the reverse of the business card correspond to the fields of information on the foreshide; similar fields reiterate the logo structure on the cover of the folder.

MetaDesign's solution for the Sageo core identity was extended into the interaction design for the Web site. The simple modular structure is flexible and is sometimes "violated" by a hierarchical grid if the informational needs of a particular screen demand it.

A database of custom photography characterized by a straightforward but quirky snapshot style works into print and online content areas. The photographs strive for a kind of immediacy that reflects real people and real lives, essential elements of the Sageo brand that are wrapped in a comfortable unifying structure.



関連用語 comparisons

0404 144 233 228

331 344 386

0707 111 133 144

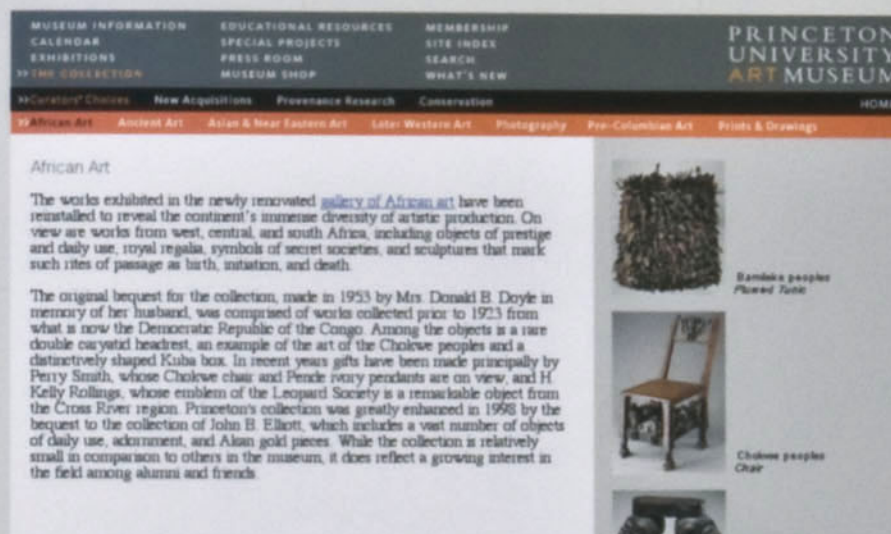
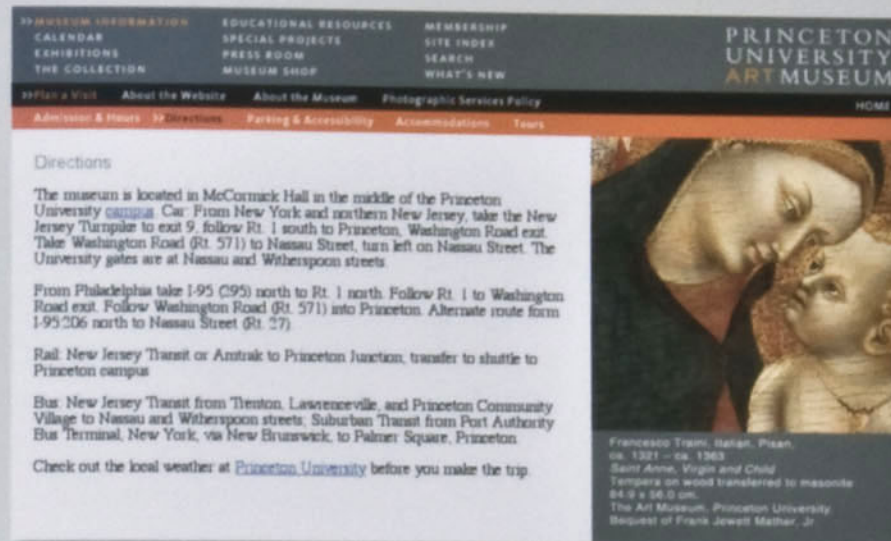
186 200 222 228

335

project
www.princetonart.org
Internet site
HTML and Java Script
© 2002 Princeton University
Art Museum

client
Princeton University
Museum of Art
Educational institution
Princeton, NJ

design
Swim Design
Washington, DC



A simple hierarchical grid effectively organizes this art museum's online presence. In what has become a standard grid-based approach for navigating complex information, a horizontal band at the top of the site colorfully distinguishes itself from the content it governs below, which is divided into two distinct areas: a text area and an area for decorative illustration. The division just below the primary navigational area, which

lists the most important topics to be covered in the site, expands to list the secondary navigation, or B-levels, corresponding to the main topic, or A-level, that has been selected. Each of these B-level links, when selected, may open a listing of C-level links immediately below.

structure

Dimensional column grid



exhibit comparisons

02 05 08 11

12 14 18 20

22 26 28 31

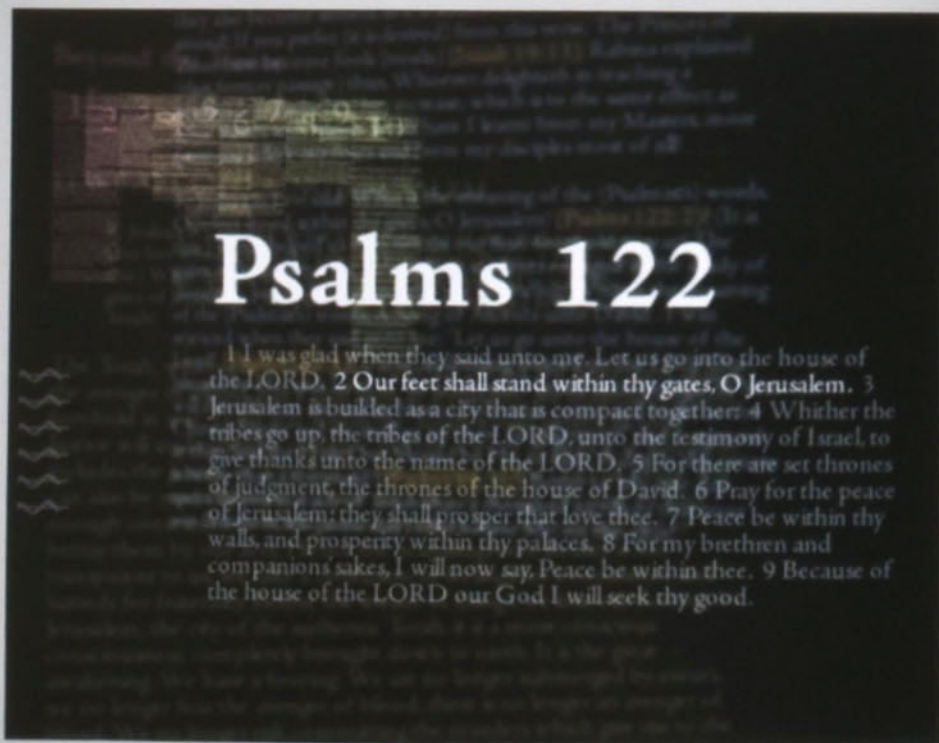
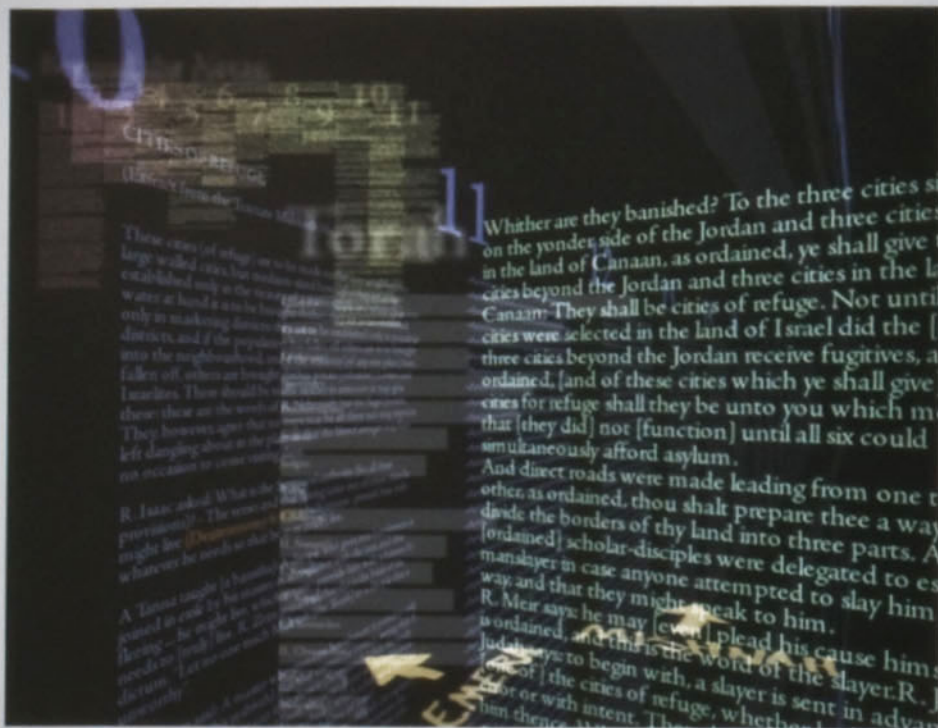
37

04 05 07 09

10 13 15 16

23 24 30 31

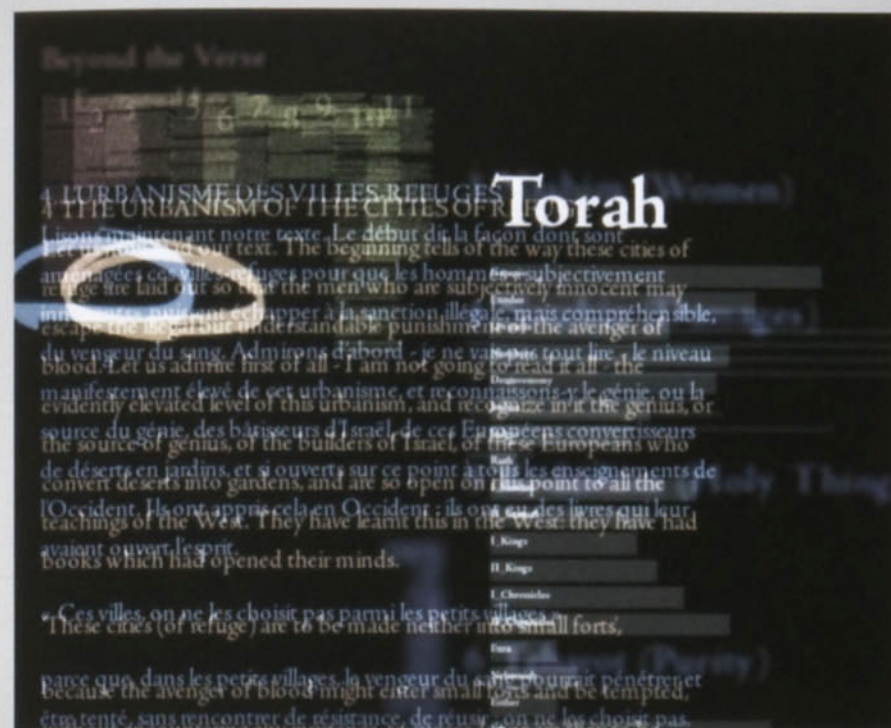
34 36



project
The Talmud Project
Dynamic text interface
Proprietary interactive
digital interface
© 1999 David Small

client
MIT Media Lab
Educational institution
Cambridge, MA

design
Small Design Firm, Inc.
David Small
Cambridge, MA



Relatively ordinary columns of serif type form the basis of this complex digital information system that combines passages of the Talmud and the Torah, translated into English and French. By turning dials that correspond to different, but related, aspects of the texts, viewers are able to zoom in to specific passages and interactively cross-reference them with related texts in the database. The dials rotate the text columns in virtual space, with each axis around the column linking to other texts or to its translation in the other language. The distribution of the text across the columns changes depending on which dials are selected and, therefore, which aspect of the text is called into view. The grid in this information system allows thousands of pages to be interconnected and accessible within seconds.

structure

Hierarchical grid

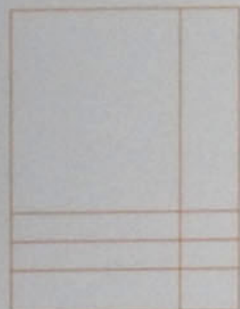


exhibit comparisons

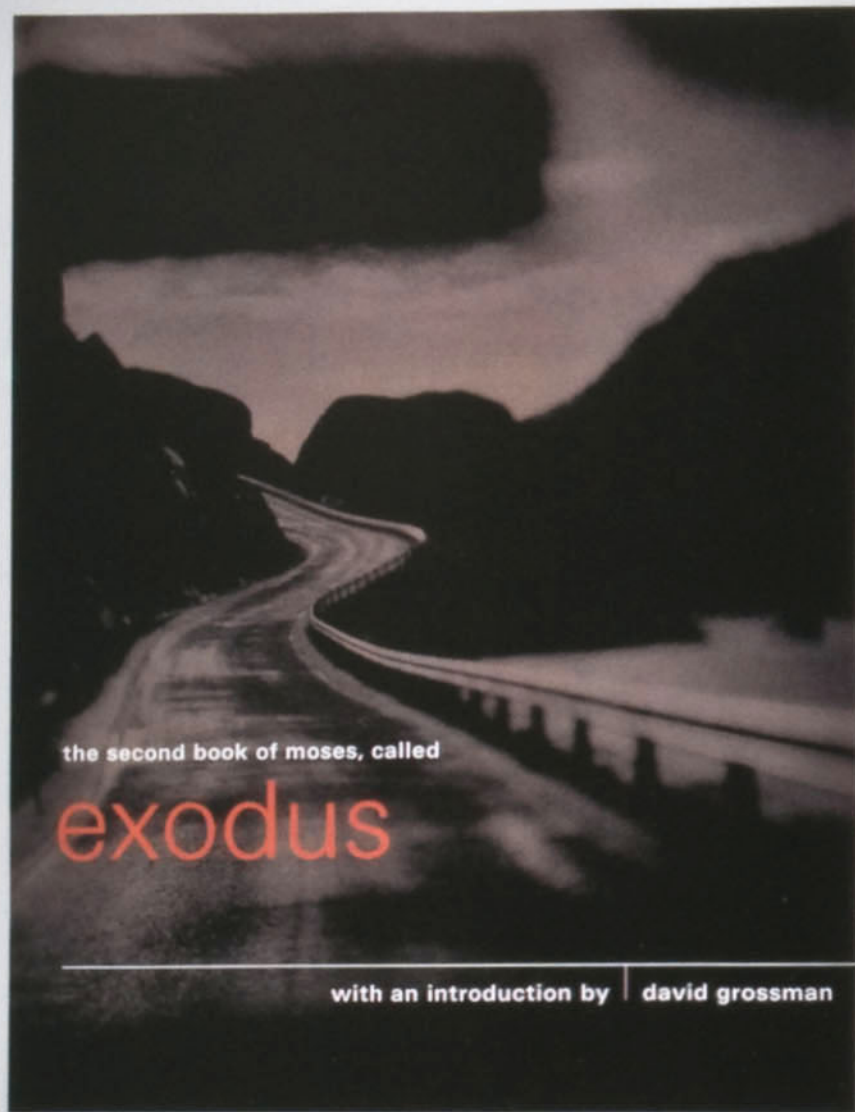
04 07 16 20

23 36

03 08 11 14

16 17 22 27

33

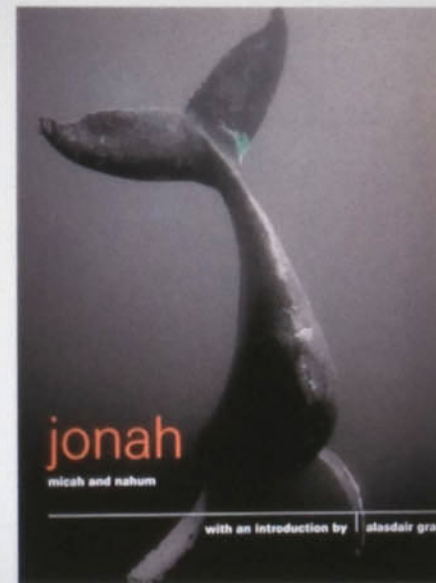
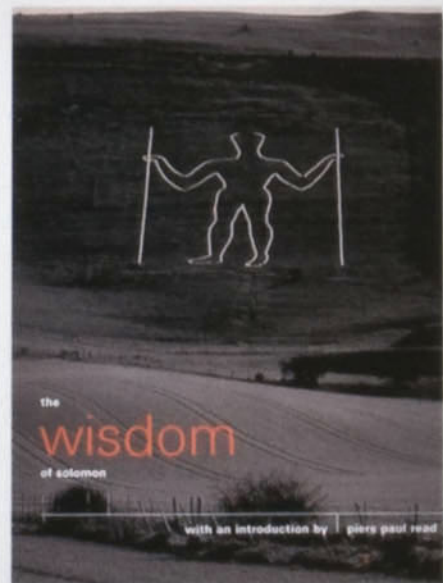
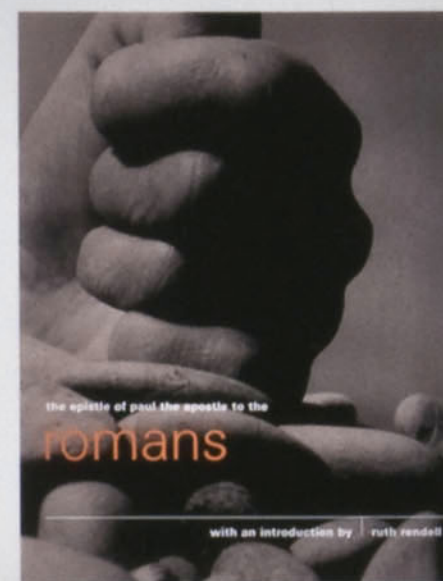
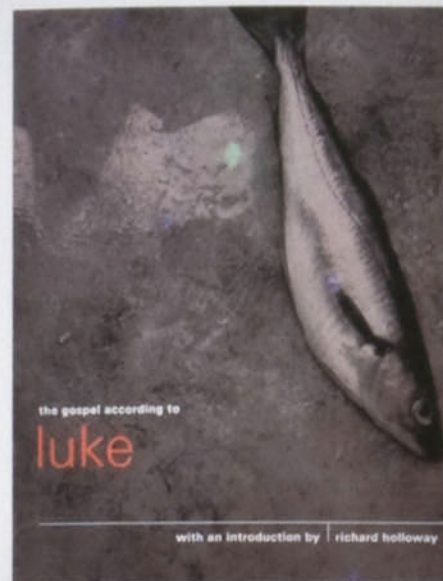


A grid-based set of proportions, mathematically derived from the width of these small-format Biblical extracts, provides a clean, simple structure for their titling. The depth of the first hangline, for the title itself, is the square of the book's width. The secondary information is given specific position, respective of its place in the hierarchy (subtitle, Biblical notation, author, translator). The use of a structural underline and linear-rule bracket for separation of elements in this area lends contrast to the mysterious photography, as well as a more modern sensibility.

project
The Pocket Canons
Book cover design system
Perfect-bound books
Offset lithography

client
Canongate Books, Ltd.
Publishers
London, England

design
Pentagram UK
Angus Hyland
London, England



structure

Hierarchic modular grid

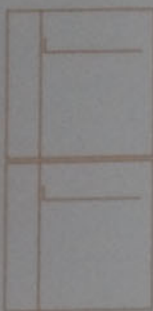


exhibit comparisons

03 04 06 07

09 10 13 16

17 19 20 22

23 25 27 29

30 31 34 38

02 06 09 12

14 16 18 19

21 26 31 35



project
Embarcadero Center
Architectural signage and
way-finding system
Freestanding and wall-
mounted steel modular
panels

client
Embarcadero Center
Shopping and office
complex
San Francisco, CA

design
Poulin + Morris
L. Richard Poulin
New York, NY



The modular grid that organizes this branded public signage system extends from mere layout into the third dimension: the square units are physically modular, meaning that the square base unit can be used singly or combined with others to create freestanding navigational kiosks of any size or complexity. Each module within a kiosk assumes a distinct hierarchical function, and the order of the modules from top to bottom within a kiosk is based on the informational need of the viewer at that juncture within the space. The top module, for example, locates the viewer within a specific building of the shopping complex. The second module in the kiosk provides closest point-of-use information, allowing the viewer to locate what is nearest the kiosk first.

Single-module signs reinforce location and connect the branding directly to the architecture, fitting against walls and echoing the square units of the building's stone surfaces.

structure

**Compound grid
(hierarchical, column,
manuscript)**

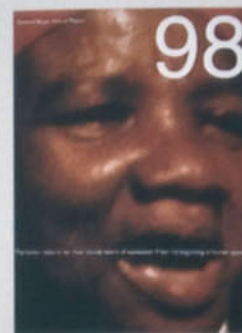


The multiple components of the grid in this intimate, lively annual report seem at odds with its simplistic appearance. The primary grid (which is hierarchical), on closer inspection, gives order to the conceptual verbal principle that governs the report's presentation.

project
Annual report
*Accordion-folded sheet
with paperboard slipcase
Offset lithography*

client
General Magic
Digital-communications
software developers
Sunnyvale, CA

design
Cahan & Associates
San Francisco, CA



replaces these things. It makes them more useful. More powerful. More likely to make a difference in your life. General Magic is already creating voice-enabled services that use magicTalk. The first one is called Portico™—a virtual digital assistant who can answer the phone right away whenever you call, plays your email and voice mail messages for you...who manages your calendar and can work with all the information in your address book. Portico also follows your instructions to screen or forward calls, fax messages, and retrieve company news and stock quotes. You simply tell Portico what you want to

exhibit comparisons

01 04 07 23

32 34

02 05 14 18

19 22 32

The idea of voice-data connection between individuals across the world, through the use of the client company's technology, is the basis for the book's construction. The accordion-fold offers a continuous unbroken format that allows the copy to travel in one long line from end to end.

The placement of that single line is conceptual: it flows across the mouths of all the face photographs that make up the panels of the book. Its precise placement, however, creates a visual structure that locks the format to the content: The line of text divides each panel into a square and a rectangle. In this case, the grid has no margins, and its proportions govern the placement of the faces.

On the reverse, the financial data adheres to a manuscript grid with a text block that is almost the width of the format, in a gesture that echoes the direct contact with the format edge that the grid has on the front side. A narrow column structure is defined by the manuscript text block, encompassing tabular financial data.

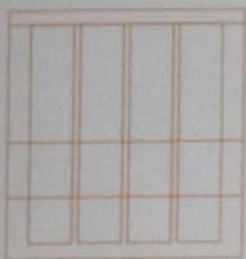
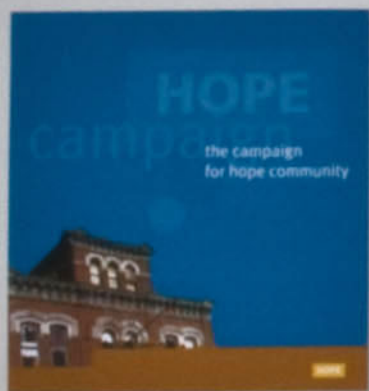
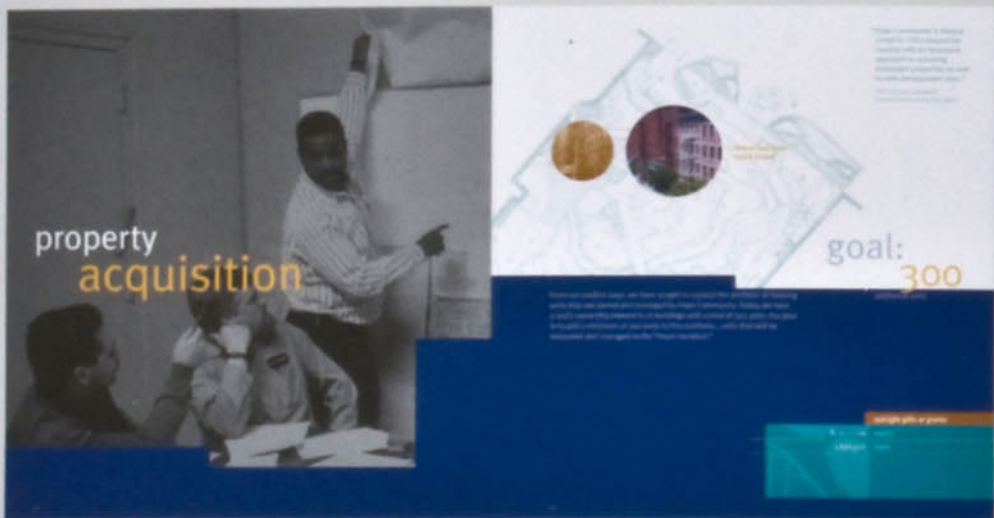


exhibit comparisons

- 02 05 08 11
- 12 14 18 22
- 26 28 33
- 04 05 07 09
- 10 13 15 16
- 23 24 30 36

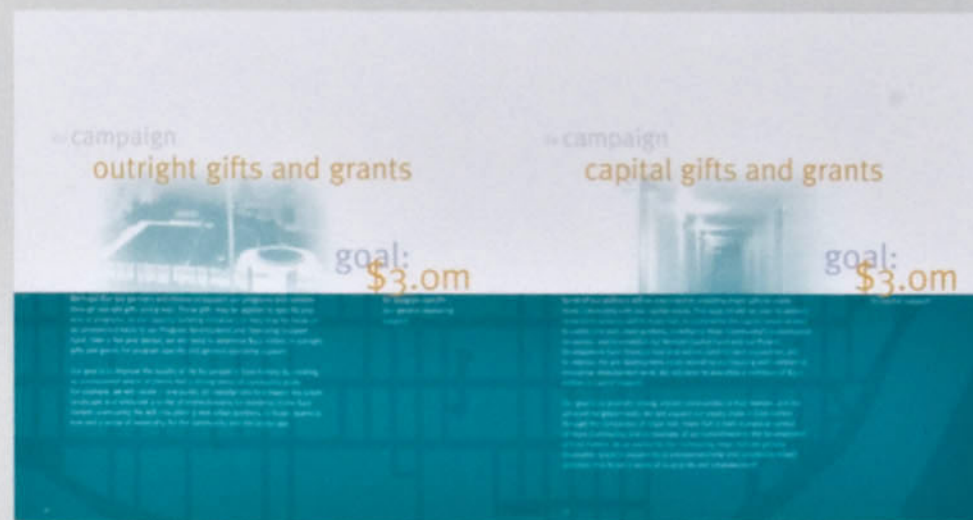


Dramatically varied use of a rigorous four-column grid lends a sense of vitality, growth, and optimism to this brochure. The regularity of the grid, however, conveys stability—incredibly important for the client in securing funding from the potential investors to whom the brochure is directed.

project
Hope Campaign
Capital investment
marketing brochure
Saddle-stitched booklet
Offset lithography

client
Hope Community, Inc.
Not-for-profit urban-
property development
New York, NY

design
C. Harvey Graphic Design
Catherine Lee
New York, NY



Major sections are characterized by these varied treatments. A section that focuses on the client organization's accomplishments balances a full-bleed photograph against supporting charts and text. Large-scale typography shifts slightly off the column alignments, reinforced by architecturally inspired blocks of color, to increase a sense of movement and space. Paragraphs of particular importance are separated out from the running text and allowed to span two or three columns. In some instances, photographs are given the same privilege while the text assumes a more rigorous articulation of the columns.

In the section that outlines the client company's current capital campaign, the columns are used more rigorously. Two strong flowlines create a place for important concepts to dominate each page: a headline describing specific types of grants, and the body-text hangline to which is aligned the capital goal figure. These flowlines provide visual continuity to the section, but also give the reader a cue to the most important information on the page.

structure
Dimensional
modular grid

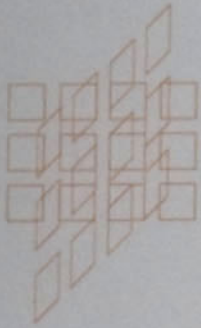
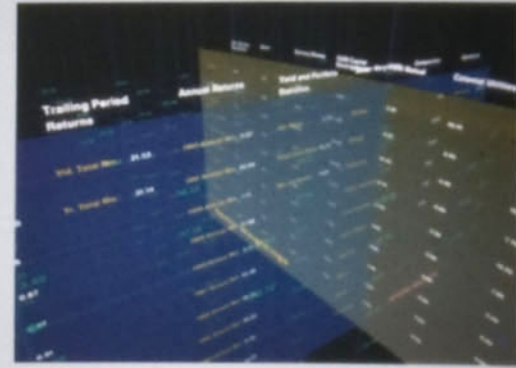


exhibit comparisons

- 03 06 07 09
- 10 13 16 17
- 19 22 24 25
- 27 29 30 33
- 35
- 02 05 06 07
- 09 10 12 18
- 19 21 26 28
- 31 33 35 36



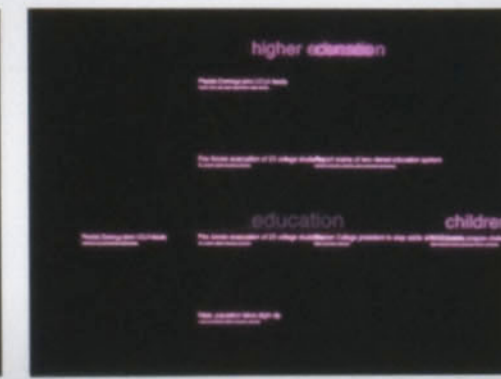
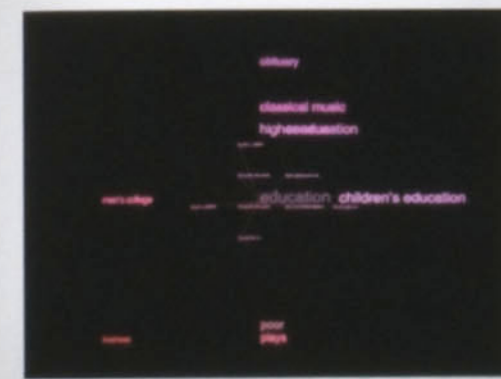
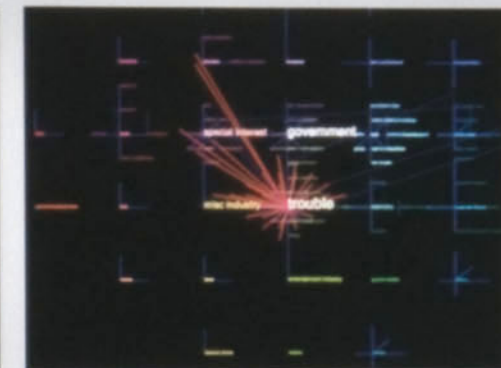
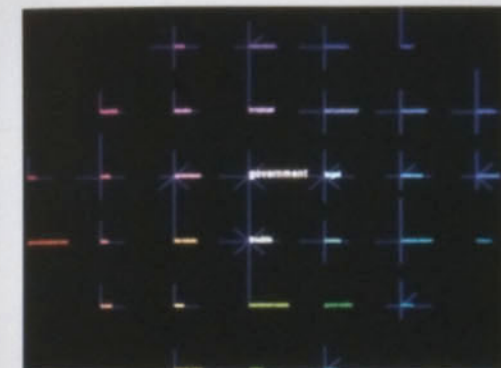
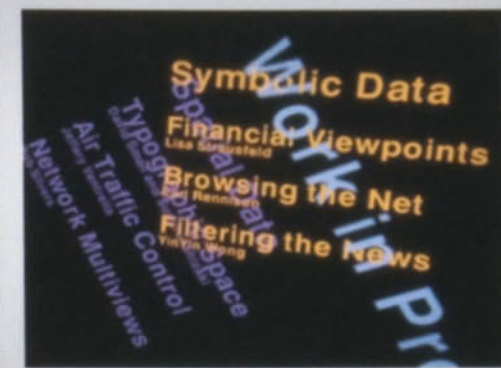
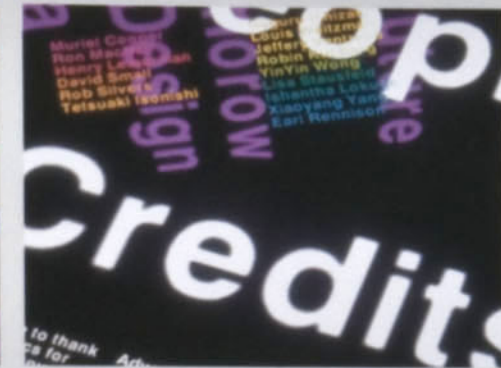
The premise of this pioneering digital interface, produced for a media and design conference, is to add dimension to text information for greater accessibility, as well as to facilitate the connection of related components using a spatial model. It was envisioned that the text would behave according to a standard typographic grid, but in three dimensions, so that multiple axes could work together to organize the text.

Several kinds of information are presented; a selection of news articles separated by subject; a complex set of financial data; a geographical map of the United States; and a virtual map of network users joined over the Internet.

project
Dynamic text interface
Digital presentation
Proprietary software

client
TED Conferences LLC
Technology, Entertainment
and Design Conferences
Los Angeles, CA

design
MIT Media Lab
Visible Language Workshop
Muriel Cooper (CD)
David Small
Cambridge, MA



The maps are presented in a kind of space that references location and scale, but the texts are arranged on modular grids that permit the user to fly through the information intuitively, going from one subject to another, turning to an article in space to reveal links to related articles.

The user is able to sort the information contained in the database around the axes of the grid, depending on which path of inquiry he or she wants to follow; each axis shows one set of facts, sorted by specific criteria. The relationships between multiple fact sets are made visible and more immediately accessible through the design's movement; the user can see what information is connected through the grid lines and around corners.

The information's legibility changes depending on its orientation to the viewer. As the user navigates the grid, text that is running along another axis can be rotated into proper reading position; text objects in the distance change color and become more distinct as they come closer.

the Carriod Breakin

Historical Interlude

The Seeds of Deconstruction

Until the late twentieth century, the design industry tended to focus on the more or less steadily increasing influence of rationalism when it traced its development or promoted itself, and with good reason: emphasizing the pragmatic, rational aspects of design helps clients understand and trust the design industry as a resource. But every field of artistic endeavor comprises different schools of thought, some of them contradictory, and graphic design is no exception.

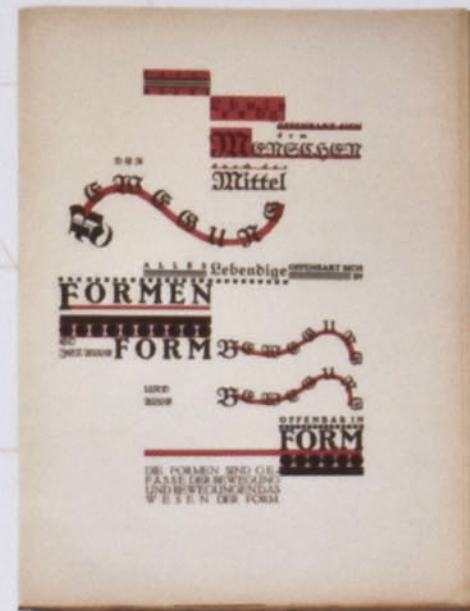
Just as the use of grids in modern design practice grew from developments in technology, aesthetic thought, and industrialization, the use of alternate, intuitive methods of composition—prevalent in current design practice—grew from these same influences. Along with the marvels of mechanized production came a proficiency at cruelty and destruction. The late nineteenth and early twentieth centuries were plagued by war on a scale that was previously unknown, facilitated by such innovations as the Gatling gun, tanks, grenades, and mines. This madness, coupled with Sigmund Freud's publications about the human psyche, fueled an exploration of the absurd and primal in art and design. As early as the 1880s, a tendency toward primal image making as a reaction to the devastation of machines and war began to find a voice: Art Nouveau's sensual plant imagery signaled a pursuit of the individual, organic, and idiosyncratic in design; Expressionism's aggressive works showed a preoccupation with suffering in the human condition; Dada and Surrealism explored the subconscious, dream states, and the absurdities of language.

A New Visual Reality These latter movements began as reactions to World War I. Co-opting the strange, new language of visual abstraction, the Dadaists applied it to verbal language to express their horror over the war.

In 1914, the poet Hugo Ball opened the Cabaret Voltaire in Zurich as a meeting place for poets, writers, musicians, and artists who shared this outrage. They included Tristan Tzara, who prepared their manifestos and edited the magazine *DADA*; Jean Arp, a painter and sculptor; and later Marcel Duchamp, a painter who began his career as a Cubist but was more fascinated by symbolism and linguistic games. Language and experience became bound in Dada's explosive word poems and nonsense posters where words failed to correspond to any explicit meaning. In Dada, letters and words are pictures of emotional or psychological states, and their power comes from aggressive visual arrangements signifying those states, not as carriers of literal meaning. Dada's use of type as image was similar to that of other movements, like Futurism, in which the visual treatment of information was also used as a pictorial vehicle for the viewer's associations. Filippo Marinetti, Futurism's founder, used repeated letterform patterns and dynamic scale and placement to convey ideas about sound, motion, and the violent power of machines.

Cubist and Symbolist poets in France also explored the syntactic portrayal of writing through typography based on its spoken or verbal attributes. Stéphane Mallarmé and Guillaume Apollinaire created word pictures in poems and essays in which page structure was defined by the image. Apollinaire's now-famous concrete poem "Il Pleut" ("It's Raining") is organized in vertical lines that resemble a picture of rain. Apollinaire and poets like him were influenced by semiotics, the study of signs, from the writings of Charles Pierce, an American, and Ferdinand de Saussure of France.

Utopia
Page from publication
Johannes Itten
©2003 Artists Rights Society (ARS), New York/
ProLitteris, Zurich



This poeticizing of visual expression—characterized by visual word play and the signification of subject matter or actual experience by unrelated signs—was becoming a trend in graphic design that would run counter to the steady development of rationalism.

Order and Disorder United Collage was another new visual analogy that built on the reenvisioning of form begun in Cubism, which juxtaposed found images in dynamic relationships where chance could play a role in the perception of meaning. The Berlin Dadaists Hanna Hoch and Raoul Hausmann were among the first known artists to employ collage. The designer and artist Kurt Schwitters, who worked in Hanover, is particularly notable for helping to establish both grid-based and irrational systems in design. Schwitters's work as a Dadaist was supported by his business as an advertising designer with prestigious accounts. His output of collaged typographic clippings and refuse alternated with professional posters and layouts for magazines, including his own, *Merz*, which featured articles and visual essays based on his nonsense poems. Schwitters collaborated with Theo van Doesburg and El Lissitzky on several occasions, blending his Constructivist interests with those of Dada.

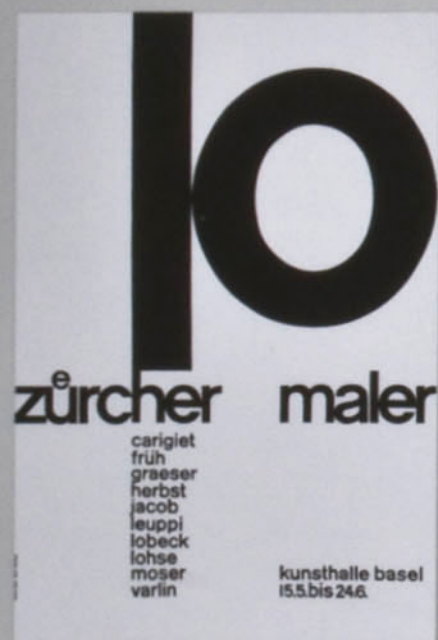
Schwitters is one of several designers in the twentieth century who helped assimilate and institutionalize nonrational design approaches, particularly typography, alongside those being pursued by rational structuralists.

The close association of irrational and rational approaches was also evident in the Weimar Bauhaus before the school made a decisive shift toward rationalism in its curriculum. Johannes Itten, a member of the *Blaue Reiter* group of painters that also included Wassily Kandinsky, was instrumental in setting up the Bauhaus foundation curriculum which, among other things, stressed the exploration of personally derived abstract mark making. Itten's experiments in the type shop, before Moholy-Nagy replaced him in 1923, had begun to incorporate painterly, nonrectilinear composition and the use of elements from the type case: he used lines of lead, usually reserved for spacing, as a decorative element to visually enhance the emphasis within type. In his 1921 publication, *Utopia*, Itten's compositions merge concrete symbolist poetry and idiosyncratic expression with intuitively structured pages.

During the same period in the Netherlands, designers like Piet Zwart were approaching the new abstraction from a different perspective. Dutch design already had a history of innovation and intriguing use of symbolic, abstract form dating back to Symbolist and Jugendstil designers like Jan Toorop and Johan Thorn-Prikker in the late 1800s. Zwart's use of montage and typographic expressionism blended this Symbolist approach, the de Stijl purity of primary color, and the dynamic composition of Dada and Futurism. Zwart's work for clients like NKF, an industrial cable manufacturing company, walked a line between the structural and the intuitive, appropriately drawing on both systems of thinking as dictated by the catalogue's content.

Zürcher Maler
Zurich Painters
Poster
Emil Ruder
From *Typography*, published
by Niggli Verlag, Zurich, 1960

Dada
Typographic study
After similar
studies designed by
Emil Ruder



World War II scattered and isolated a number of designers. In Switzerland, the painterly, symbolic approach of Ernst Keller had merged with the mathematical and architectural precision of Zurich grid advocates like Josef Müller-Brockmann and Carlo Vivarelli. Keller's former student, Armin Hoffmann, pursued elemental visual composition in his work and as director of the Basel design school, where he enlisted Emil Ruder as typography teacher. Both Ruder's work and teaching method focused on typography that derived from a structural perspective, but he also focused on clearly integrating it with imagery by stressing its pictorial potential. Unlike Müller-Brockmann, Ruder freely mixed weight, slant, and size changes, even within single lines of type, to achieve a semiotic representation of language. In his 1960 book, *Typography*, Ruder devotes several pages to a discussion of grids, but nowhere near as much space as he devotes to the exposition of type as an image with intrinsic visual qualities that cannot be ignored. The paradox of Ruder's work is that his rigorous approach to examining type's visual, semantic qualities led him not only to anticipate the appearance of deconstructive work among his students, but to create it himself. In his experiments using the Univers family of typefaces, for example, he visually communicates notions about physical or emotional state in compositions like *Jazz*, splitting up and crossing columns diagonally by aligning words on an angle. Other experiments in which he expresses the meaning of words by altering their visual construction or breaking them apart show that he was investigating ideas initiated by Dada and Futurist designers in the 1920s, like Marinetti and Schwitters. Seen this way, Ruder's work can be described as a nexus point in codifying those

syntactic and semiotic experiments within the framework of the International Style as it was developing; that is, he actively helped assimilate the seeds of grid deconstruction into the rational aesthetic of structuralist graphic design. As a teacher, his experiments and interaction with his students would become profoundly influential.

Against the Establishment By the mid-1960s, the International Style was becoming entrenched as a design methodology in Europe and the United States. Students from the Basel and Zurich schools—and also from the Kunstgewerbeschule in Ulm, Germany (founded, in part, by Max Bill)—were disseminating its reductive, minimal aesthetic. Corporations benefited from the unifying and cost-efficient aspects of the grid-based identity systems that these students advocated. But as the younger design community—along with everyone else—continued its recovery from the second World War, it was becoming increasingly critical of established ways of thinking, increasingly wary of corporate and governmental motives, and increasingly interested in opposing the kind of classist impulses that had repressed and brutalized specific groups of people in the war. In the United States, the civil rights movement drew attention to disenfranchised groups; revolutions in Cuba and China evinced similar kinds of unrest. In the midst of the International Style's methodical efficiency, a search for expression based on personal experience and narrative was catalyzed by the visceral thump of rock n' roll, the sexual revolution, and the rise of popular youth culture. Psychedelia, television, and a rediscovery of Art Nouveau gave rise to design idioms and countermovements that don't fit neatly into

daDa

Ausstellung
Poster
Wolfgang Weingart
Courtesy of
Wolfgang Weingart

Was ich morgen...
Typographic study
Wolfgang Weingart
Courtesy of
Wolfgang Weingart

the bigger trends: Victor Moscoso and Haight-Ashbury psychedelic rock posters on the West Coast of America; Milton Glaser, Seymour Chwast, and the idiosyncratic, historical illustrative style of the PushPin Group; and the "big idea" conceptual advertising of Bob Gill, Bill Bernbach, and Henry Wolf. These and other approaches flourished in the 1960s and 1970s despite the International Style; they worked around Modernism, reflecting impulses from outside and quietly influencing dramatic changes that would happen within.

In Basel, Emil Ruder's students were engaged in studying fundamental typographic principles when a young typesetter's apprentice from Stuttgart joined the school. Wolfgang Weingart had been trained in a traditional German type shop, but had been exposed to the work of Hofmann, Müller-Brockman, and Ruder by an older apprentice; fascinated by the unfamiliar

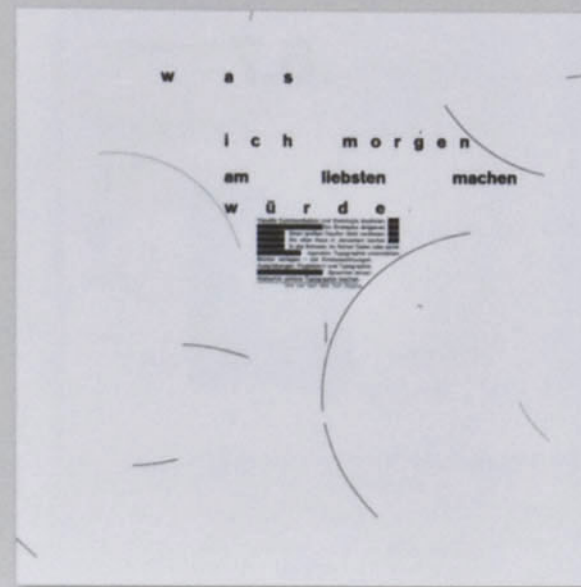


image-oriented typographic approach of the Swiss, he had come to Basel in 1964 to be trained as a designer. His personal experiments in the type shop, where he incorporated the accidental printing of letterpress material—like the lead lines used to separate individual lines of type and the bottom side of lead letters—had given him entry to the school. But Ruder's methodical exploration of typographic nuance intimidated and bored Weingart, who was more comfortable making images with elements from the type case. Having absorbed a good deal of Swiss thinking in his apprenticeship, however, Weingart began his own systematic exploration of typographic form, but with a marked difference: it extrapolated the idea of visually semantic composition—type that bases its visual form on the verbal structure of the words it represents—beyond the functional presentation sought by Ruder, and into a personal, idiosyncratic and texturally expressive approach akin to painting. Weingart looked at the understructures and absolute formal qualities of the material he was working with as indicators of potential new ways to compose. Highlighting groups of words in

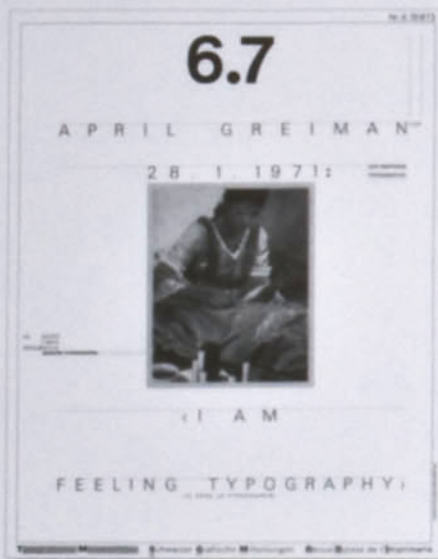
Typographische Monatsblätter
Periodical cover
Wolfgang Weingart
Courtesy of Wolfgang Weingart



proximity to each other with reversed-out white areas created secondary sentences playing in the paragraph; filling in the negative spaces created by the ragged edge of a paragraph added architectural impact on a page; and combining letterforms into new shapes or spacing them out in self-consciously visual arrangements emphasized their structural qualities or made reference to forms in the environment. In essence, Weingart uncovered a new visual potential for language by decon-



Geigy
Brochure cover
Steff Geissbühler
Courtesy of Steff Geissbühler



structing it, and the significance of this work was profound. It implied that rational structure—the grid—could be one of many possible systems for organizing visual material, and that context is an important factor in determining which system is best for a specific project.

The Iconoclasts and the Academy In 1968, Armin Hofmann asked Weingart to teach. At the same time, Weingart was being asked to lecture and show his work around the world. His typographical approach, in concert with the teaching of Hofmann, influenced generations of Basel students. The individuality of his approach was especially appealing to young design students, who were now coming to Basel from a number of countries. Among them were Americans like April Greiman, a student of Basel graduates Hans U. Allemann, Inge Druckrey, and Christine Zelinsky at the Kansas City Art Institute in Missouri. Weingart's dimensional approach to space and his mixing of textures had a tremendous impact on her design process. After she returned to America, Greiman freelanced and taught in Philadelphia, Boston, and New York, eventually landing in Los Angeles in the early 1980s.

Vitra Workspirit
Product brochure
April Greiman
Courtesy of April Greiman



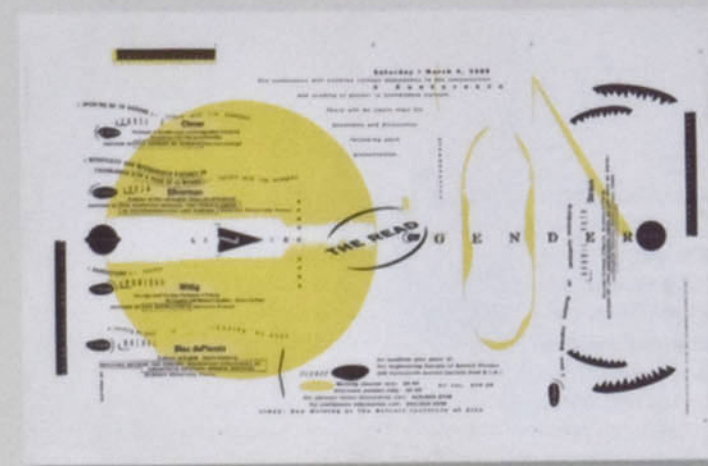
Greiman began experimenting with various emerging technologies, like video, in combination with found images and conventional printing techniques, which continued to define the new visual language of Basel and similarly-oriented design schools. Organization and treatment of visual material was being driven by intuition and direct, visceral response to its optical and conceptual qualities. Other students, as well as those who went on to teach—at schools like Philadelphia College of Art and Carnegie Mellon—and to work in New York and Los Angeles, brought the mixture of discipline and experimentation with them. A "New Wave" of Swiss and Swiss-trained designers—Dan Friedman, Valerie Pettis, Willi Kunz, Steff Geissbühler, Chris Myers—joined Greiman and others in assimilating this new development into the mainstream of design practice.

Cranbrook Graduate
Design
Poster
Katherine McCoy
Courtesy of Katherine McCoy

New Discourses in Form In 1970, a recently graduated industrial designer in Chicago named Katherine McCoy found herself in a graphic design position at Unimark International, working in the minimal Swiss International Style that Unimark was employing to reshape the corporate visual world. After a year, she began to teach graphic design at Cranbrook, an art and design academy in Michigan with a long history of involvement in avant-garde architecture. McCoy's initial curricula were derivative of the grid-based typographic methods she had become accustomed to at Unimark. But in the experimental and highly intellectual environment of Cranbrook, she and her fellow faculty began to consider the visual system they were perpetuating. By this time, Weingart's experiments were becoming widely known; in addition, the writings of architects Robert Venturi and Denise Scott-Brown were having a wide impact. Their seminal 1972 book, *Learning from Las Vegas*, helped establish a radical new regard for the vernacular: rather than dismiss garish, naïve, and popular visual expressions like drive-ins and gambling strips, designers could incorporate these idiosyncratic forms as a way of resonating on a more personal level with their audiences. McCoy's close friend (and later Cranbrook student), Edward Fella, was particularly interested in vernacular signage and lettering; others began to explore game show iconography, historic type forms, and coding systems as



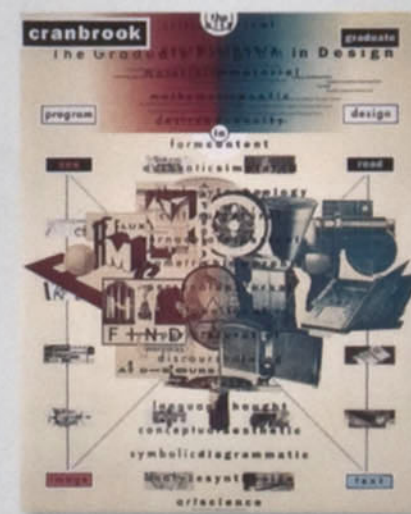
Reading as Gender
Poster
Allen Hori
Courtesy of Allen Hori



sources for image and type interaction that would create a graphic counterpart to the ideas Venturi and Scott-Brown were propagating.

Political and social concerns came to the forefront of designers' minds once again; at Cranbrook and on the West Coast, these pop culture deformations were giving voice to discussions about race, gender, and class by visually distinguishing them from the smooth veneer of the corporate International Style. A second result was that they also separated from what they considered an East Coast/European design establishment. Many designers from that establishment viewed the work at Cranbrook through a filter that categorized it as either simply ugly or as morally wrong, a repudiation of the progress for which Modernism had struggled. Within the design counterculture, however, the sense that they were exploring a late form of Modernism, a self-critical and mannered form, pervaded their experiments. During the period between 1971 and 1984, the word *deconstruction* was coined as a description of what these experiments were trying to accomplish: to break apart preconceived structures or to use those structures as a starting point to find new ways of making verbal and visual connections between images and language. In addition to Venturi and Scott-Brown's writings, poststructuralist philosophy and semiotics were filtering into the mix. McCoy's work, for example, started with grid-based structures and began to shift elements out of the primary structure, as in her recruiting posters; other approaches involved introducing extra space between words or lines of type within running text to focus attention on

See/Read/Image Text;
Cranbrook Graduate
Design
Poster
Katherine McCoy
Courtesy of Katherine McCoy



The New Discourse
Book page
Katherine McCoy
Courtesy of Katherine McCoy



Sci-Arc Summer Programs
Poster
April Greiman
Courtesy of April Greiman

Contemporary Improvised
Music
Poster
Allen Hori/Studio Dumbar
Courtesy of Allen Hori

Tulipstoolong
Poster
Allen Hori
Courtesy of Allen Hori

Hanging at Carmine
Street: Beach Culture
Periodical page spread
David Carson
Courtesy of David Carson

Raygun
Periodical spreads
David Carson
Courtesy of David Carson

Typography Now
Book pages
WhyNot Associates
Published by Booth-Clibborn Editions, 1991
Courtesy of Andy Bell

Eight Days in Venice
Broadsides
WhyNot Associates
Student work produced at
Royal College of Art, 1987

The Second Industrial Revolution While the mainstream design community struggled to understand the intellectualized conversation going on at Cranbrook, the computer happened. Apple Computer's 1984 introduction of the desktop computer with a graphical interface yielded a revolution in design practice similar in scale to that of the Industrial Revolution of the 1780s. Designers were quick to assimilate the new technology for the rapid and seamless manipulation of image and type that its programs facilitated.

April Greiman's work incorporated the image-editing capability of the computer into her process of hybridizing media, typography, and perceptual space. The design developments at Cranbrook were catalyzed by these same new capabilities; texture, image, and type could now be manipulated in exotic combinations that extrapolated their already challenging deconstructions into three-dimensional space.

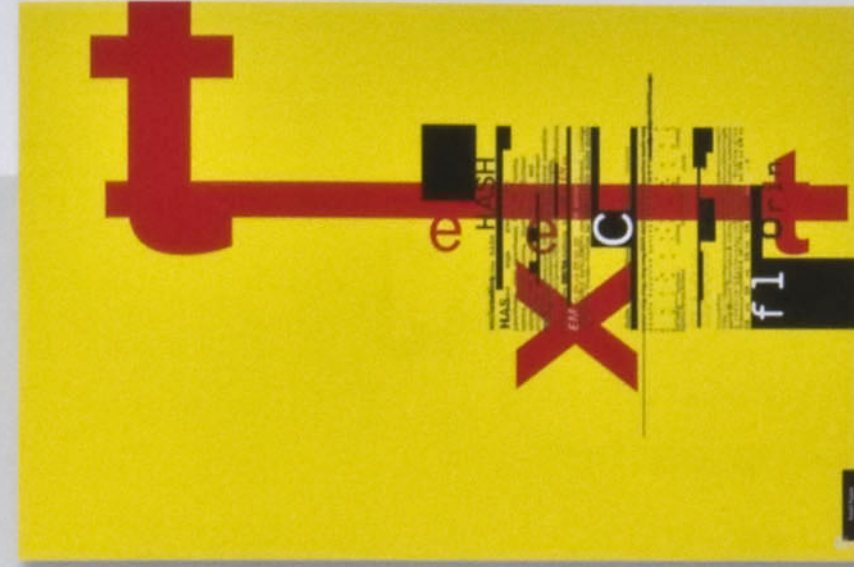
The Dutch design community, having historically provided a proving-ground for visual innovations in the commercial world, not only embraced these technological and theoretical developments, but hosted a continuing series of interns and expatriate graduates from American design schools. Allen Hori and Robert Nakata, both graduates of Cranbrook, for example, found themselves working at Studio Dumbar, already distinguished for its conceptual use of photography and surreal spatial typography for large Dutch corporations.

From an Unexpected Quarter The shift from traditional hand skills to digital designing and production introduced high-level digital editing and typesetting to a vast audience; in this way, the assimilation of vernacular modes of expression was complemented by a reverse assimilation of design craft by individuals who weren't trained as graphic designers.



David Carson epitomized this shift. A surfer and sociology graduate, Carson came to design by working at *Beach Culture*, a California surf magazine. His unstudied layouts relied on an intuitive sense of placement that spoke more about interpreting the experience of the content, not about rationally or impartially organizing it.

By using the extensive typesetting capabilities of the computer, Carson was able to explore typographic arrangements and effects that had been impossible before its invention: overlapping lines of type and letters that flipped backwards and forwards, dense textures of type and image, and columns of type whose contours weren't parallel—or, for that matter, straight lines at all. Where the Cranbrook experiments were still

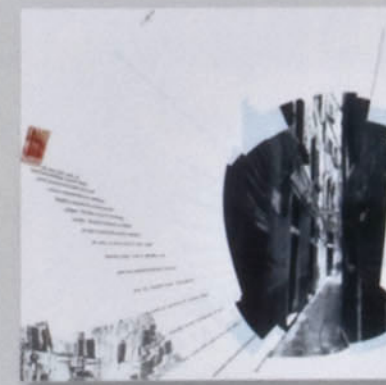


This type of system for generating visual cohesion through intuitive, spontaneous relationships was further popularized by the work of the American type publishers Emigre, by British designers like Siobahn Keane and Jonathan Barnbrook, and by firms like Why Not Associates. In project after project, these designers were violating conventional ideas about structure in favor of organization that reflected ideas about time, film, and the expanding world of digital interactivity.

As designers have assimilated the computer's visual capabilities and its ubiquitous presence in daily life—as well as innovations from Weingart, Cranbrook, and Carson—the notion of experientially driven presentation has gained importance as a viable, user-centric method for organizing information. Interactive media, in particular, has helped change the way people access and process the information with which they're presented. Intuitive and idiosyncratic approaches to organization participate on equal terms with rational approaches based on grid structures. The designer's set of tools now includes several methods for conveying ideas from which the designer can choose the most appropriate for a given project.



referring to the idea of structure, Carson's work ignored it. In his design of the culture magazine *Raygun*, published between 1991 and 1996, no overarching structure exists, yet every issue is recognizably related; the ferocity of the layouts and the continual destruction of conformity on every page visually define a system that is identifiable and understandable, despite the lack of a consistent editorial grid structure.



Exploring Other Options

A Guide to Grid Deconstruction and Nonstructural Design Approaches

Grid structure in typography and design has become part of the status quo of designing, but as recent history has shown, there are numerous other ways to organize information and images. The decision whether to use a grid always comes down to the nature of the content in a given project.

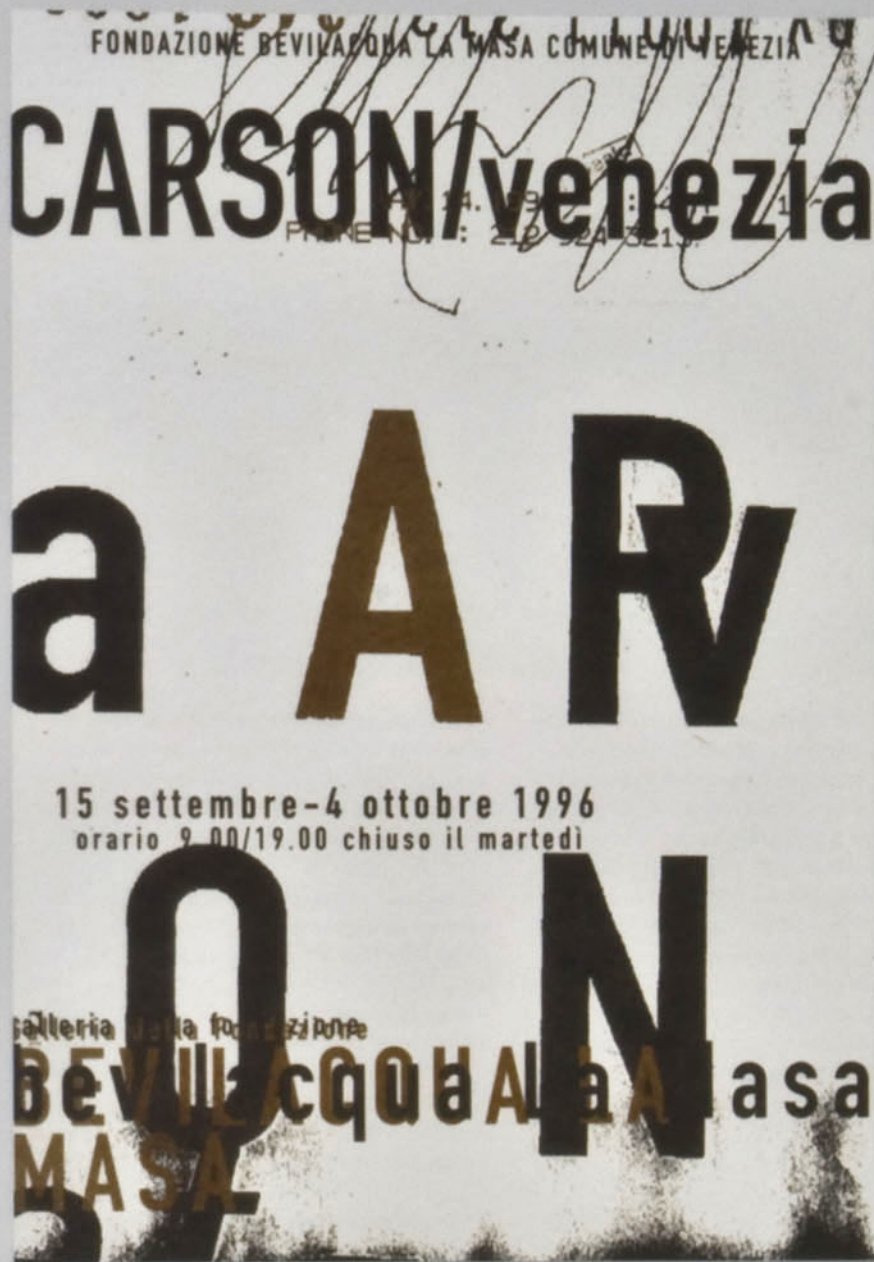
Sometimes that content has its own internal structure that a grid won't necessarily clarify; sometimes the content needs to ignore structure altogether to create specific kinds of emotional reactions in the intended audience; sometimes a designer simply envisions a more complex intellectual involvement on the part of the audience as part of their experience of the piece.

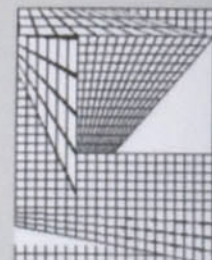
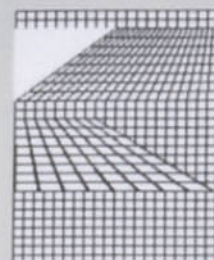
The public's ability to apprehend and digest information has become more sophisticated over time as well; constant bombardment of information from sources like television, film, and interactive digital media have created a certain kind of expectation for information to behave in particular ways. One has only to look at television news broadcasting or reality-based programming, where several kinds of presentation—oral delivery, video, still images and icons, and moving typography—overlap or succeed each other in rapid edits, to understand that people have become accustomed to more complex, designed experiences. In an effort to create a meaningful impression that competes with, and distinguishes itself within, this visual environment, designers have pursued various new ways of organizing visual experience.

The vigorous composition of this typographic poster defies the rational approach of grid-based design.

A loose structure is implied by the horizontal linear divisions created by secondary type like the date, but otherwise the layout is entirely intuitive.

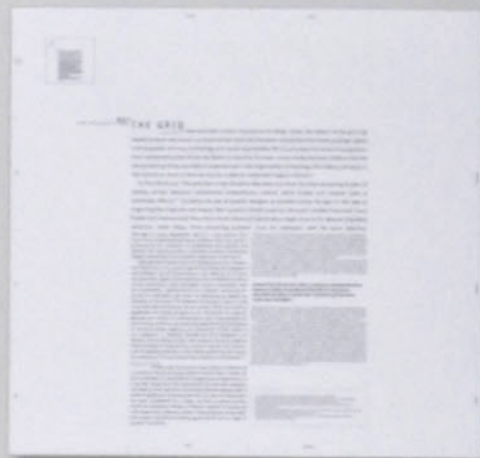
Its strength, however, lies in this dynamic, instinctive positioning and treatment of forms. The raw texture of the letters and background, the overlapping of forms that refer to the legible information create a kinetic experience that is both filmic and reminiscent of tattered street posters.





A simple modular grid, without gutters between modules, is the starting point for a dimensional deconstruction. Groups of flowlines and column lines are distorted to explore possibilities of exaggerated illusory space and dimensionality.

The results of this kind of "structural deconstruction" can be seen in this set of broadsides that investigate the nature of the grid. A classical two-column Roman manuscript structure sequentially gives way to a three-dimensional space where columns intersect, overlap, and rotate into each other.



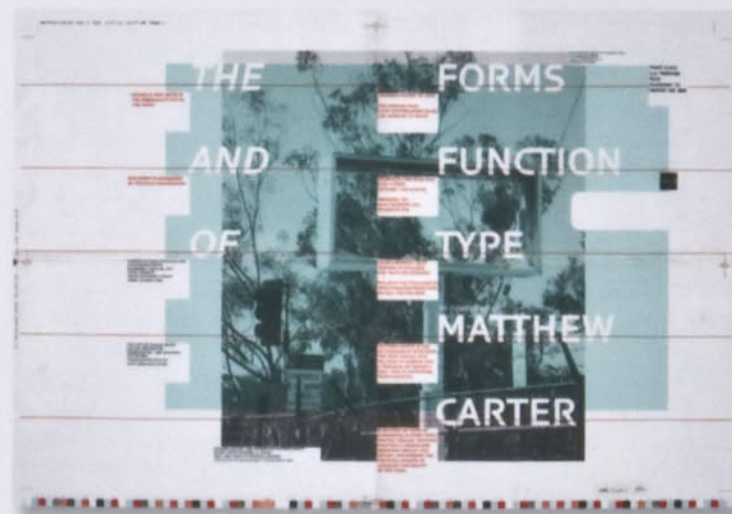
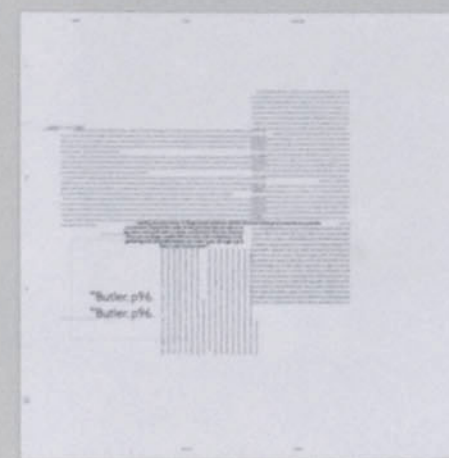
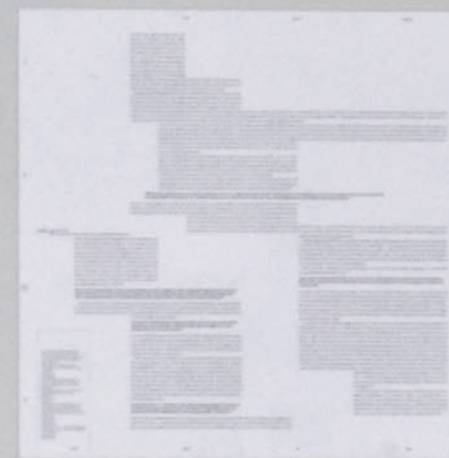
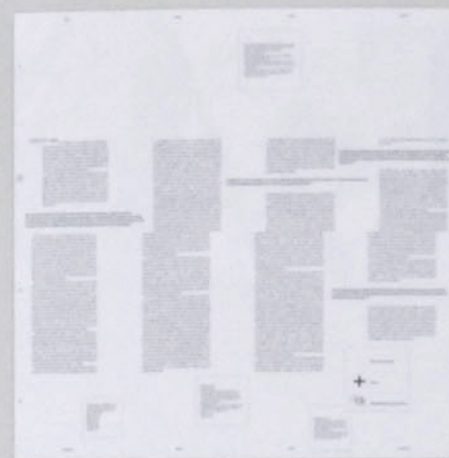
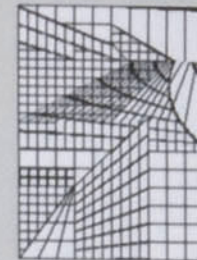
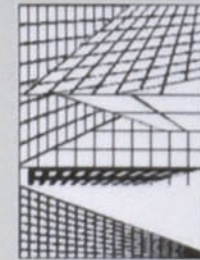
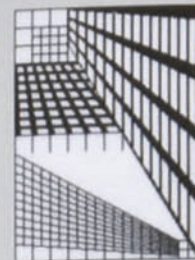
elements, to be floating in front of each other. A conventional grid structure repeated in different orientations could be used to explore a more dynamic architectural space by creating different axes of alignment. For example, two- and three-column grids, in different scales and at opposing angles to each other, will create new spatial zones that interlock. Similarly, overlapping grids with modules of different proportions, or which run at different angles in relation to each other, can introduce a kind of order to the spatial and directional ambiguity that layering creates, especially if some elements are oriented on both layers simultaneously. This kind of architectonic deconstruction emphasizes the visual qualities of multiple structures interacting; changes in scale or density within these structures can help to distinguish specific types of information as well as create an interactive, yet still geometric and understandable, space.

A structure can be altered in any number of ways. First, a designer might experiment with "cutting" apart major zones and shifting them—horizontally or vertically. It's important to watch what happens when information that would normally appear in an expected place—marking a structural juncture in the grid—is moved to another place, perhaps aligned with some other kind of information in a way that creates a new verbal connection that didn't exist before. The shifted information may wind up behind or on top of some other information if a change in size or density accompanies the shift in placement. The optical confusion this causes might be perceived as a surreal kind of space where foreground and background swap places.

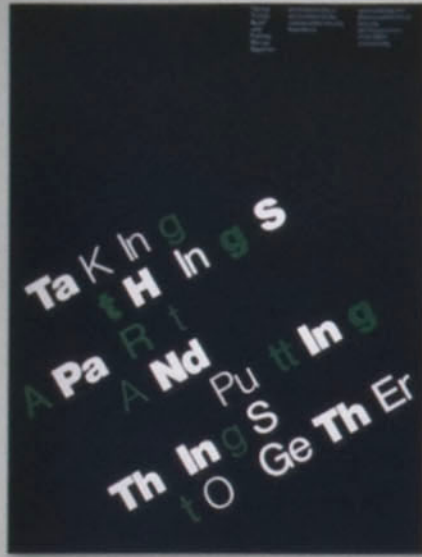
Shifting or breaking apart grid modules or columns so that they begin to overlap, even while they carry sequential information (like running text), can create a perception of layers within the compositional space. The textures of different columns interacting as they run over each other can create a sense of transparency where the viewer perceives the columns of text, or other

Grid Deconstruction

As the word itself implies, the purpose of *deconstructing* is to deform a rationally structured space so that the elements within that space are forced into new relationships: or, simply put, beginning with a grid and altering it to see what happens. That said, it's probably clear that there's no real set of rules that can be applied to the process of deconstructing. But if the goal is to find new spatial or visual relationships by breaking down a structure, it's helpful to at least begin thinking about that process in a methodical way. The first idea that might come to mind as a way of looking at this process is to think about splitting apart a conventional grid—even a very simple one.



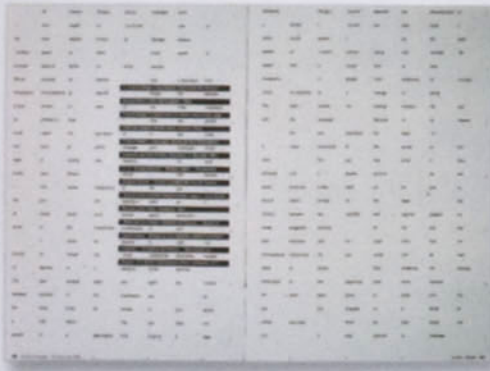
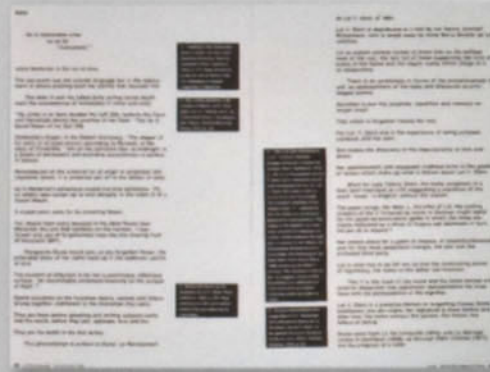
Although the base grid that underpins this small poster's composition is evident, its rigor has been violated in subtle ways that aren't so obvious at first: the title type baseline has slipped under the red flowlines; the background image consists of two shifting planes of tonality that throw space into question. In addition, a simple verbal breakdown in the title hints at another kind of deconstruction....



Linguistic Deconstruction

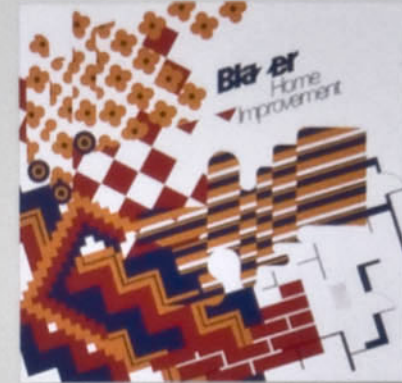
Verbal or conceptual cues within the content can also be used to break a grid structure. The natural rhythm of spoken language, for example, is often used as a guide for changing weight, size, color, or alignment among lines type; louder or "faster" words may be set in larger or bolder type or in italics, corresponding to stresses and lulls in actual speech. Giving a "voice" to visual language can help alter the structure of a text by pushing words out of paragraphs or forcing modules or columns into relationships where the natural logic of the writing creates a visual order. For example, treating all of the adjectives in a particular way would create a secondary structure with a rhythmic, organic quality. Breaking phrases and words apart in a running text calls attention to the individual parts of speech. As the space between them increases, the text takes on a matrix like appearance and the presumed reading order may begin to change for the reader. Although generally this would interfere with reading, in some cases the resulting ambiguity may be appropriate to the content of the text, yielding associations between words or images that can be used to augment the literal meaning of the text.

Both informational and conceptual, the verbal deconstruction of the title derives from chemical names in this exhibition poster designed for a pharmaceutical company. The deconstruction visually treats the title type, as well as communicates the nature of the company's particular business.



Linguistic deconstruction is used here to visually represent the vocal "journey" through the poem. Cadence, phrasing, and concrete vocal emphasis are indicated through intuitive changes in scale and treatment.

In this example, a conventional text is gradually deconstructed over many pages. The designer's process of breaking apart the page form begins with the introduction of space between phrases and then between words; the verbal structure of the essay is brought into focus, while the visual clarity is decreased. The running text becomes a texture where the regularized spaces between words imply multiple reading directions.



Spontaneous Optical Composition

Far from being random, this compositional method can be described as purposeful intuitive placement of material based on its formal aspects: seeing the inherent visual relationships and contrasts within the material and making connections for the viewer based on those relationships. Sometimes designers will use this method as a step in the process of building a grid, but its use as an organizational idea on its own is just as valid.

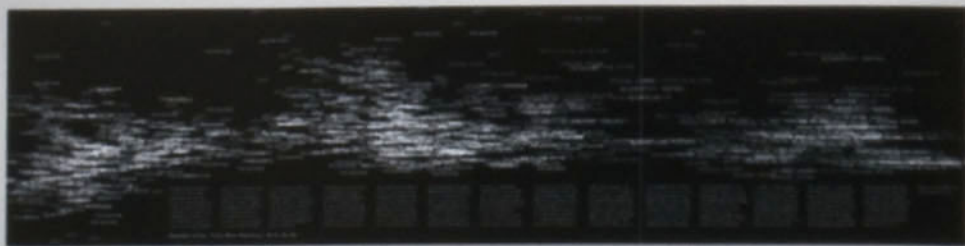
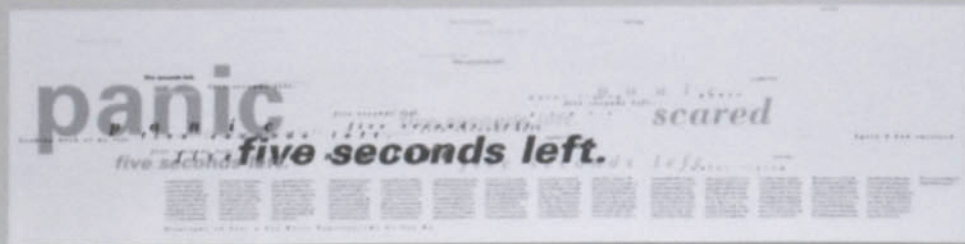
This approach starts fast and loose: the designer works with the material much like a painter does, making quick decisions as the material is put together and the relationships are first seen. As the different optical qualities of the elements begin to interact, the designer can determine which qualities are affected by those initial decisions and make adjustments to enhance or negate the qualities in whatever way is most appropriate for the communication.



The method's inherent liveliness has an affinity with collage; its sense of immediacy and directness can be very inviting to viewers, providing them with a simple and gratifying experience that is very accessible. The result is a structure that is dependent on the optical tensions of the composition and their connection to the information hierarchy within the space.



A personal narrative about a near-death incident begins with a straight-forward column structure that is deconstructed in successive studies to evoke the motion of floodwaters and the desperate nature of the situation.



Conceptual or Pictorial Allusion

Another interesting way of creating compositions is to derive a visual idea from the content and impose it on the page format as a kind of arbitrary structure. The structure can be an illusory representation of a subject, like waves or the surface of water, or may be based on a concept, like a childhood memory, a historical event, or a diagram. Whatever the source of the structural idea, the designer can then use it to organize material in such a way that it refers to the idea. For example, text and images might sink underwater or float around like objects caught in a flood. Even though no grid is present, sequential compositions are given a kind of unity because of the governing idea. Margins, intervals between images and text, and relative depth on the page may constantly change, but this change has recognizable features that relate to the overall idea; these might even be called allusive structures.

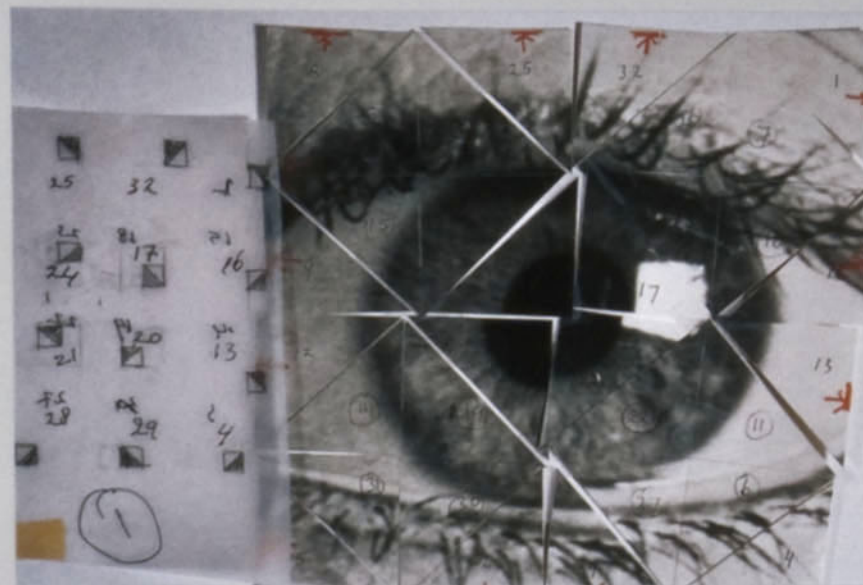
In projects of a sequential nature, like books or walls in an exhibit, visual elements relate to each other in time, as though in frames of a film. Images might move across a format or be

otherwise changed from page to page, affecting other images or text that appear later. This kind of kinetic structure is amorphous—it literally has no distinguishable shape—except that its effects can be recognized and understood as the viewer experiences the succession of frames. A simple example of this visual kinesis as a structure might be a sequence of pages where text appears to advance forward in space because its scale changes incrementally every time the page is turned. Using sensory experiences of space and time as organizing principles can be a powerful tool for evoking a visceral, emotional response from viewers.

Images and typography communicate a specific cultural history in this poster study. Vernacular type styles and relevant images are arranged in ways that suggest other images: a flag and a landscape are most apparent.



A master grid orchestrates the dissection of an image across multiple pages of a book. The decisions about where the dissection takes place are made arbitrarily, without regard to the composition within the image itself. Furthermore, a formula for where to place the dissected pieces in the page sequence is predetermined but, again, without knowing what the results will be in advance.



Chance Operation

The use of chance as an organizing principal might seem counterintuitive. The unpredictable results, however, can often aid in communication from a conceptual standpoint by bringing out juxtapositions of material that might otherwise have escaped notice.

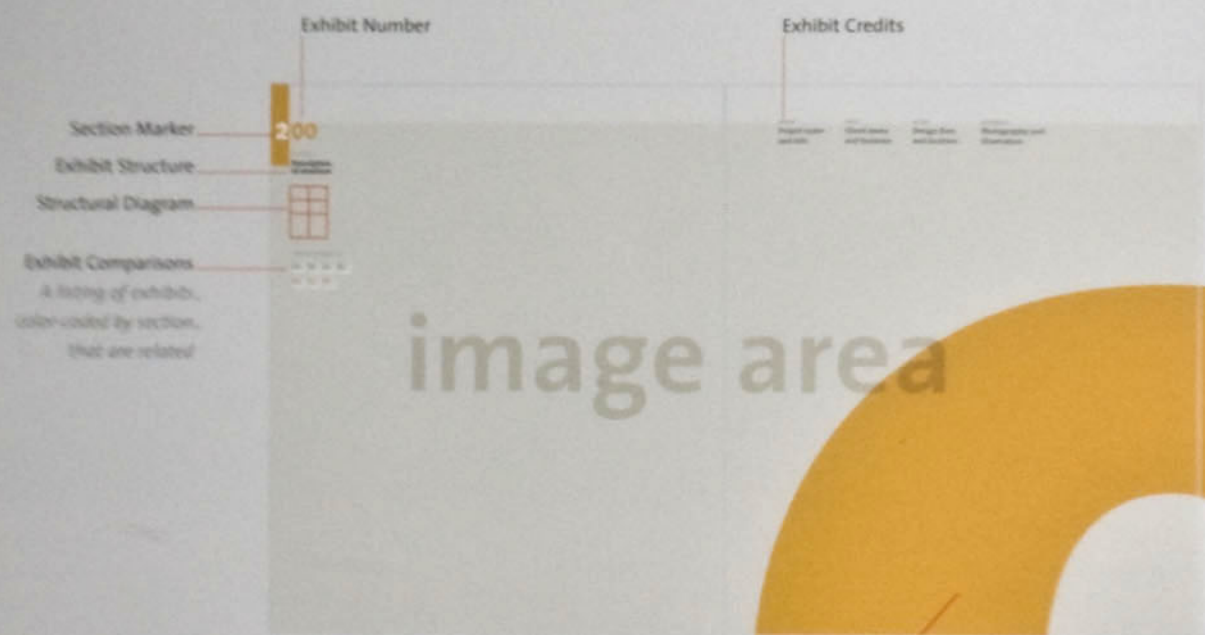
Conducting a chance operation implies that the chance is being controlled to a certain degree, and this is usually the case: a designer might fling paint at a surface, knowing that certain kinds of patterns will occur because of the size of the brush or the specific gesture; increasing the point size of selected type in a composition without adjusting its starting position may result in an unusually organic composition. In a similar operation, cropped images might be physically scattered or dropped from a certain height over a format. The resulting random placement could be useful in communicating ideas about motion, the unpredictability of nature, absurdity, and so on. By selecting the type of chance operation to use, a designer can skew the results in their favor to some degree, ensuring appropriateness in the form while

allowing the unpredictability to create new visual relationships that structured thinking about layout won't achieve. A designer might even use a grid to give direction to specific kinds of chance, knowing that the underlying structure will cause the chance results to behave in (hopefully) desirable ways that illuminate the content while creating the same kind of unexpected visual compositions at the end of the process. For example, a designer might arbitrarily apply a matrix to a large image to determine how to crop it for different pages, but the shape of the cropping and the resulting details might provide interesting texture or connect conceptually with a text. Sometimes, introducing chance into the design process helps a designer see the material more clearly, allowing him or her to organize it in less predictable, yet more illuminating, ways.

Key to Exhibit Notation

The diagram below shows a typical page spread for the Exhibit sections. The notations provided for each exhibit feature selected information for quick reference and a simple system for comparing related works in both sections (see also *Making the Grid, Exhibits*, page 32), grid-based or not.

These comparisons are meant as a catalyst for analysis. Sometimes the relationship between exhibits being compared is plainly structural, at other times it's less explicit; in some cases, the comparison is between exhibits that show opposing qualities.



Exhibits

Grid Deconstructions and
Non-Grid-Based Design Projects

Breaking

structure

Manuscript grid deconstruction

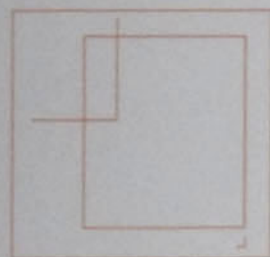
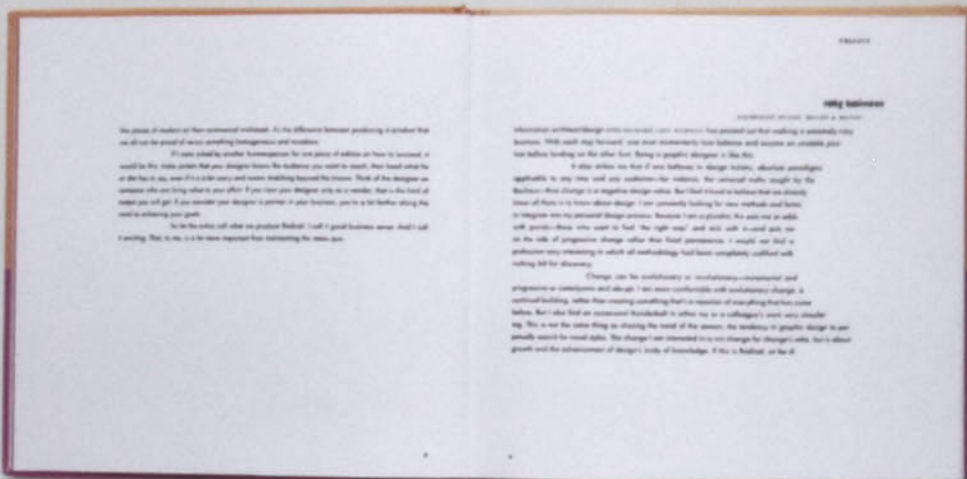
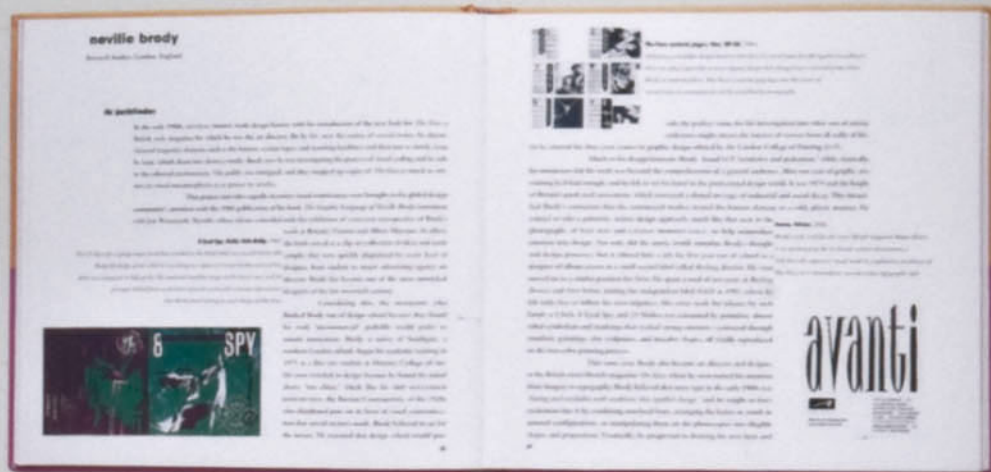
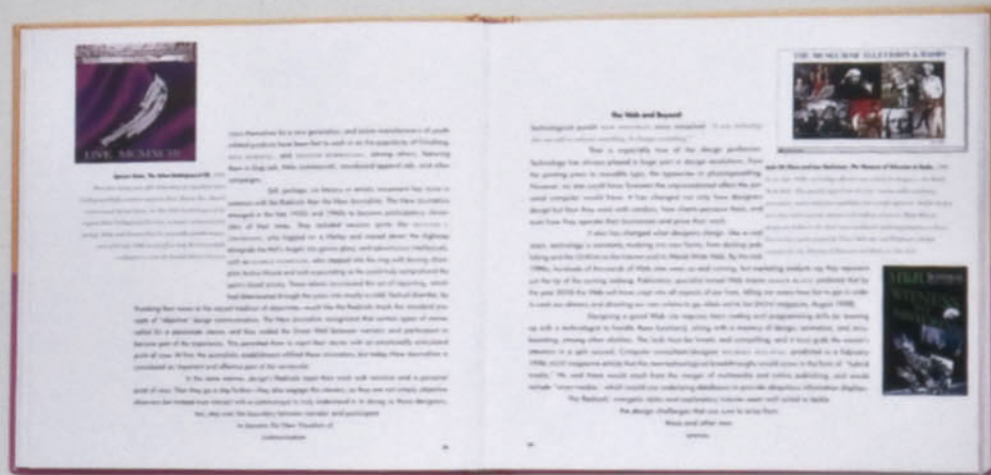


exhibit comparisons

05 13 16 22

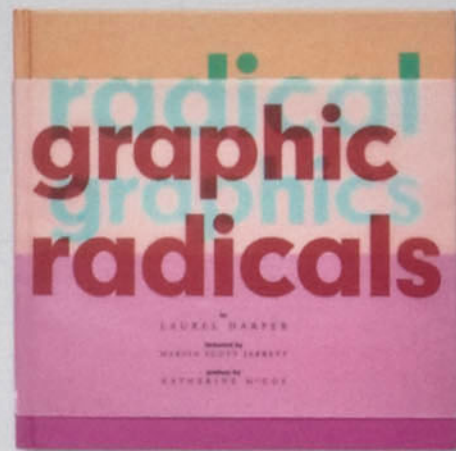
30 31

01 15 21 23



project Radical Graphics/ Graphic Radicals Book Case bound with translucent printed wrapper Offset lithography
client Chronicle Books Publisher San Francisco, CA
design McCoy & McCoy Katherine McCoy Buena Vista, CO

The deconstruction of a manuscript grid gives a quiet yet wry context for a book exhibiting the work of radical graphic designers. Ample margins, larger outside than at top, set the text block low on the page. The blocks mirror each other across the gutter. The proportions seem at first to be the only unconventional aspect of the classical structure; however, structural details in the typography reveal there's more to it. Images intrude into the main text block as needed, carving out large blocks of the column. This same deleting of a portion of the column provides space for captions accompanying the exhibited work. In some instances the captions practically butt the alignment of the primary text block, creating tension and an uncertainty in space.



Irregular negative shapes—ellipses and diagonals— independent of image, cut into the primary text block, sometimes reinforced by similarly shaped captions. Conflicting alignment relationships, in which a justified column is greeted by a caption set flush-right (or more jarring, a caption which is also justified and shifted off baseline by a few points) add subversive detailing to the compositions.

structure

**Modular grid
deconstruction via
chance operation**

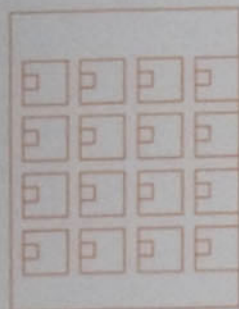
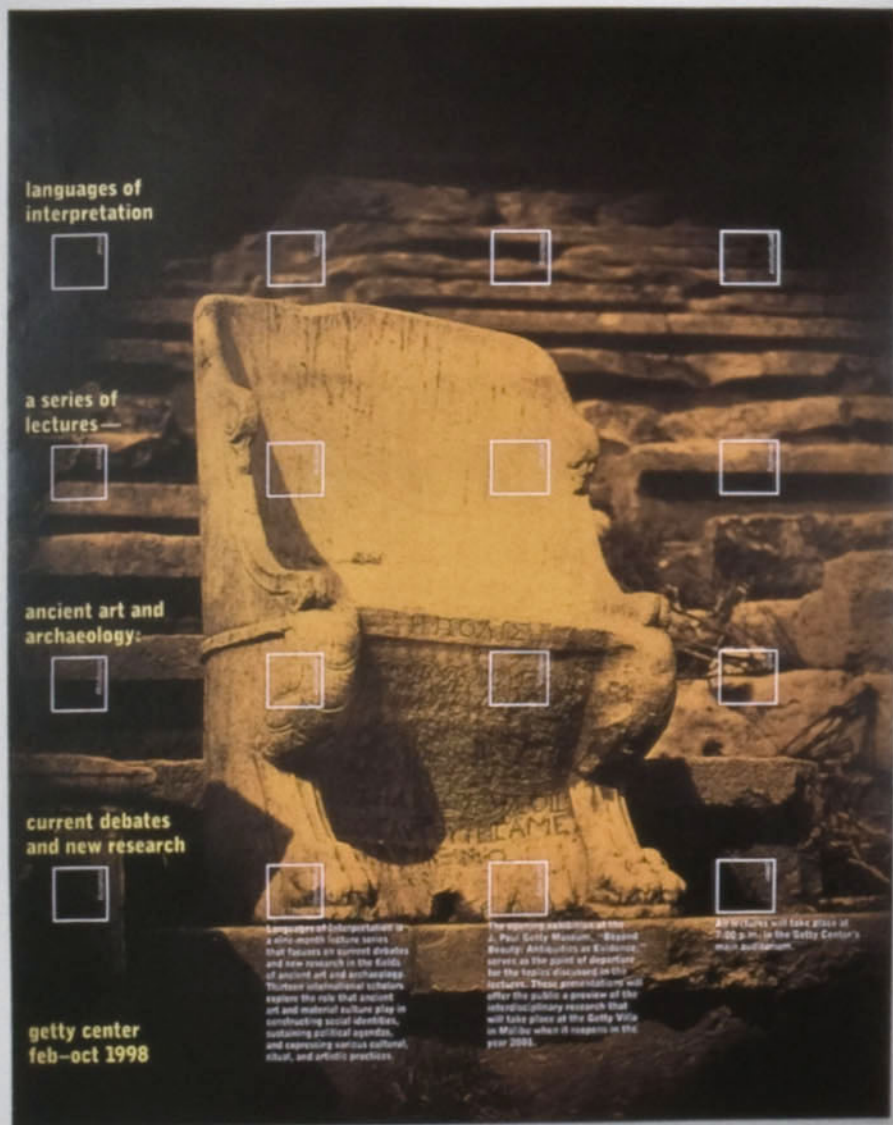


exhibit comparisons

- 06 12 18 19
- 21 26 31
- 03 06 07 09
- 10 13 16 17
- 19 21 27 29
- 30 35 38



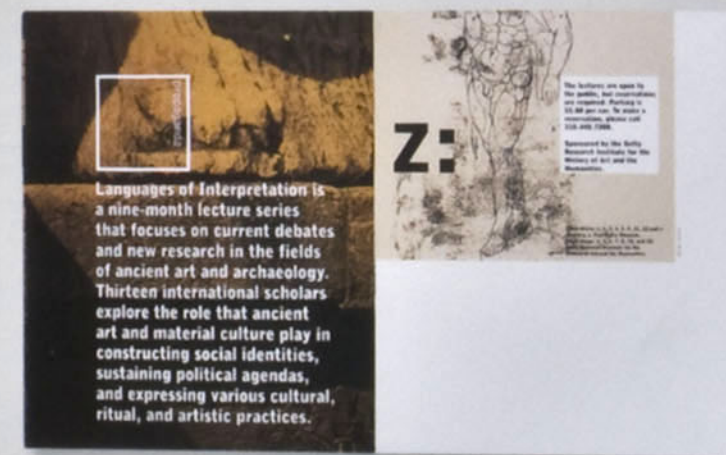
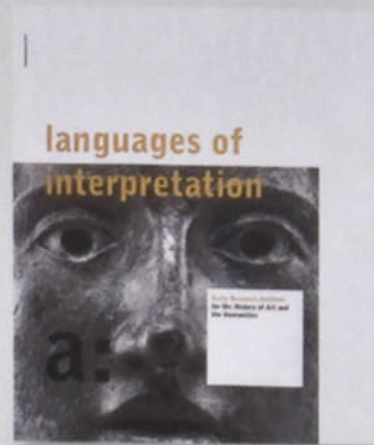
A physical breaking of the grid used to organize material in this poster creates the layout of the resulting brochure. When the poster is cut down, images and information from the two sides are juxtaposed in a new structure. The resulting brochure—full-bleed texture and symbolic title on the left, informational caption enclosed in a corresponding square on the right—retains a recognizably modular structure, but the background images are left to bleed unexpectedly out of the new format.

The most interesting aspect of this project is its literal exposition of the conceptual. The content, a series of lectures organized around the theme "Languages of Interpretation," is made explicit not only through the interpretation of the material as both a poster and as a booklet (each a distinct structural language), but also through the potential for interpreting the juxtapositions between symbolic key words, lecture titles, and images.

project
**Languages of
Interpretation**
Poster/brochure
Offset lithography

client
Getty Research Institute
Art and art historical
research and museums
Los Angeles, CA

design
Praxis
Simon Johnston
Los Angeles, CA



project
Niklaus Troxler, Posters
1977-1999
Exhibition Poster
Silkscreened in black

client
Willisau Rathaus
Exhibition space
Willisau, Switzerland

design
Niklaus Troxler Design
Niklaus Troxler
Willisau, Switzerland

structure

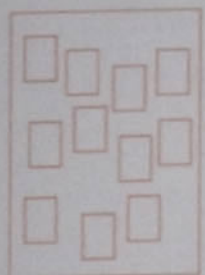
Verbal/conceptual
deconstructions

exhibit comparisons

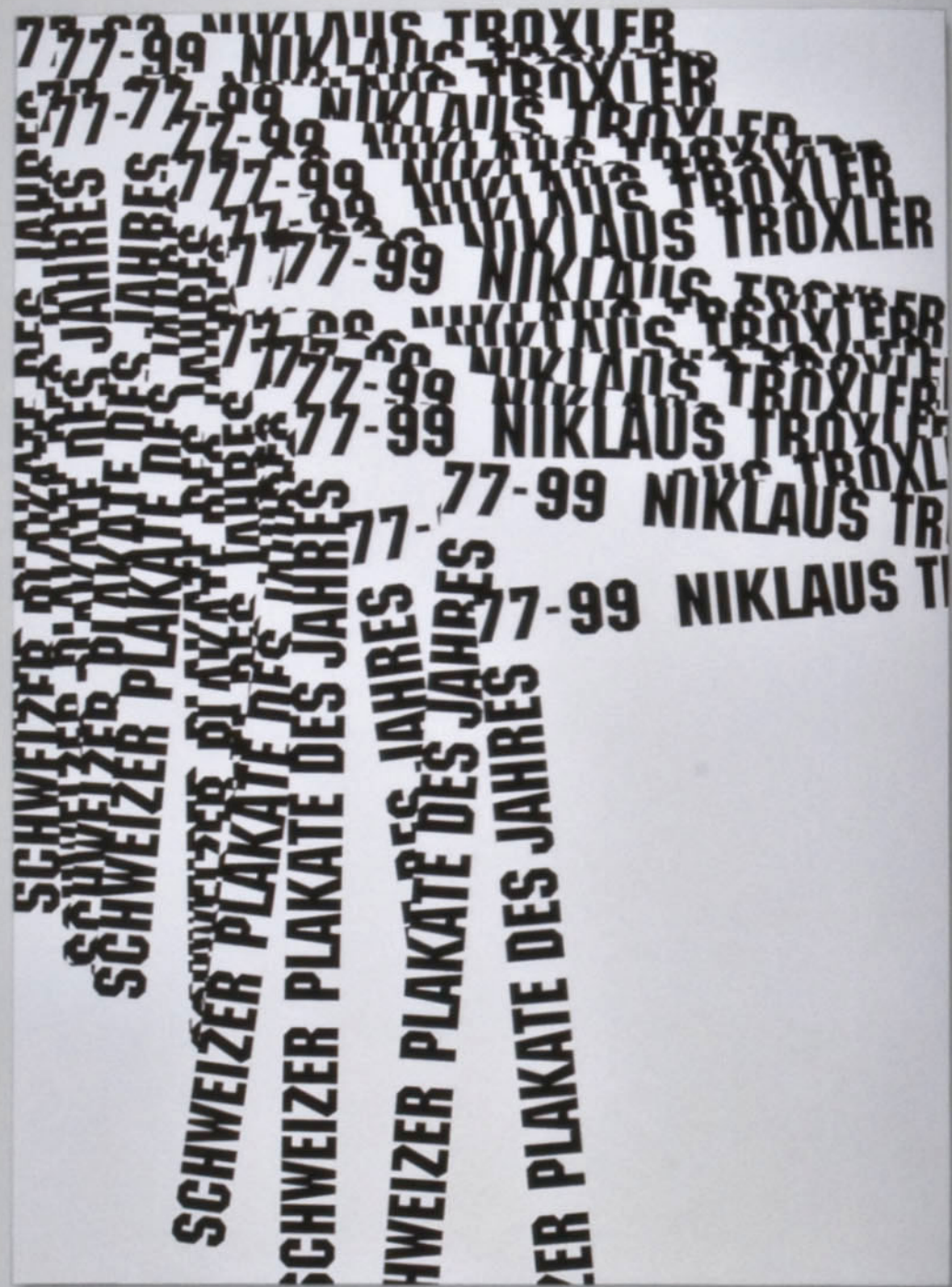
04 08 10 15

17 20 25 29

30 32 33 34

06 19 23 27

30 34



project
ImproPlakate
Improvised Posters
Exhibition poster
Silkscreen, two colors

client
Willisau Rathaus
Exhibition space
Willisau, Switzerland

design
Niklaus Troxler Design
Niklaus Troxler
Willisau, Switzerland



Each of these posters uses a verbal, or semiotic, cue relating to the poster format as a means of deconstructing the informational language within.

The poster at left deconstructs the format with itself. The stark, dramatic layout of black type in a white field shows the conceptual repetition inherent in the project—a poster about a show of posters.

The designer organizes the informational type along the upper left and top edge of a blank format, similar to the format of the poster itself. Repeating this structure as-is on top of itself and moving downward, a sense of many layers of posters is created, along with a striking organic interplay of black-and-white linear type elements. Repeating the poster format on top of itself, eventually bleeding outward beyond the poster's real format, elevates the communication to a sophisticated level where the image becomes signifier and signified, a poster that shows a posting of posters.

In the deceptively simple poster for an exhibition of posters on the theme "improvisation," the designer uses two spatial levels—one for the exhibit title, in red, one for the event information, in black—as a way to add additional control to a carefully randomized layout of letterforms.

No baselines, alignments, or margins here: the letters float freely as though scattered across the poster's format. Careful consideration has been given to the precise placement of the forms, however, so that although their rhythm is made more random in feeling, their legibility isn't impaired—despite the overlap of red and black letterforms that are close in optical color.

structure
**Column grid
 deconstructed
 by collage**

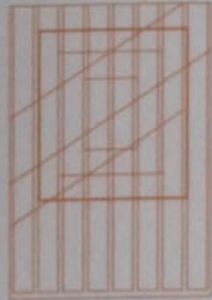


exhibit comparisons

- 03 08 11 14
- 15 19 20 21
- 30 32 33 36
- 02 05 08 14
- 18 19 27 33

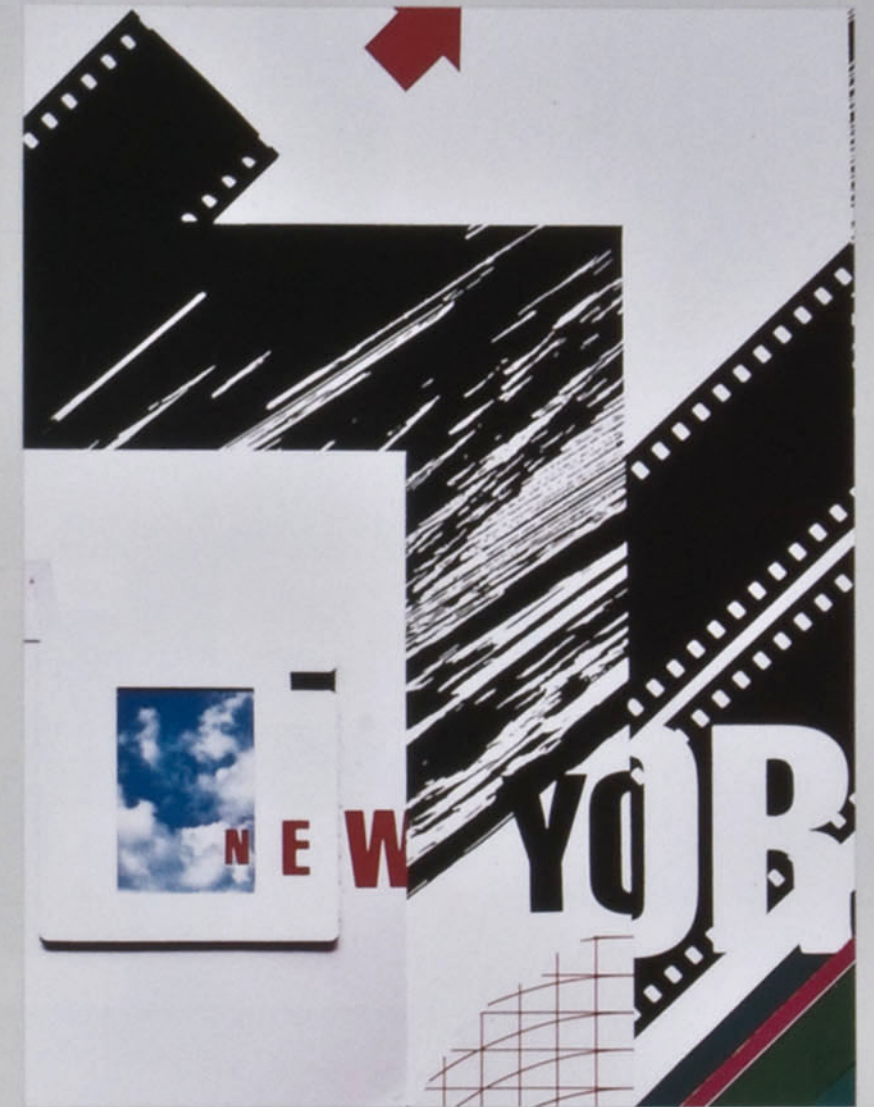


project
AIGA New York
 Seasonal events poster
Offset lithography

client
**American Institute of
 Graphic Design,
 New York Chapter**
 Professional designers'
 association
New York, NY

design
**Chermayeff & Geismar
 Associates**
 Steff Geissbuhler
New York, NY

illustration
Steff Geissbuhler
New York, NY



A modularly proportioned column grid confronts an optically arranged composition of elements relating to the New York City design scene in this events poster. The textures of paint, film, clouds, and printing process dot screens play against each other, against flat areas of color, and against illusionary three-dimensional objects. Their interaction is also modulated by their movement over and through the group of invisible concentric frames that create a series of three-dimensional formats within the poster. The column grid is defined at the bottom edge of the poster by the paragraphs describing events and programs; these columns' module measures define the invisible frames in the primary image portion above. In combination, the two methods of organizing material enhance and emphasize the other.

structure

Column grid deconstructed into layers

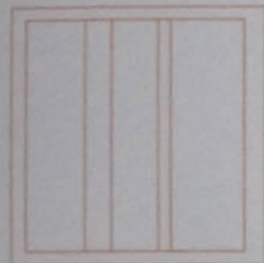


exhibit comparisons

04 07 09 10

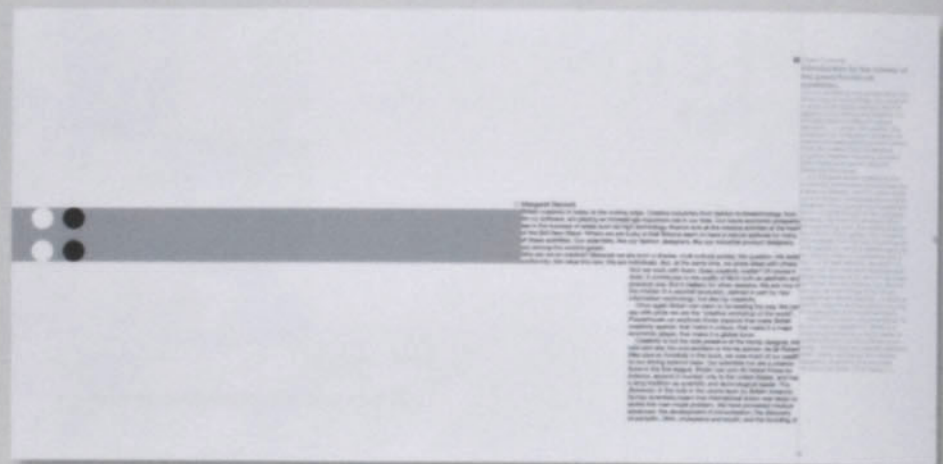
13 15 16 22

23 24 30 36

02 05 08 11

14 18 26 28

33 37



project
Powerhouse: UK
Exhibition catalogue
Perfect bound book
Offset lithography

client
Department of
Trade & Industry
Government agency
London, England

design
Why Not Associates
London, England



This catalog for an exhibition of British art, fashion, architecture, and industrial design uses overlapping columns as its base structure for text and image arrangement, creating a curtain of shifting planes that moves forward and back depending on the color and density of the texts and images. Images of the exhibits are allowed to expand or contract between the column alignments that occur in each given spread.

Vertical rules are used to increase the tension of particular text alignments, bringing them forward and distinguishing them from others that recede in space. Using this method, unrelated texts are able to run concurrently or even butt up against each other without confusing the reader.

Transparency and shadow resulting from overlaid tints and changes in the density of the typography increase the sense of depth and movement. No two intervals between alignments are the same, so the page structure is one of continuous movement, a metaphor for the British design scene's constant innovation.

structure

**Modular grid
deconstructed via
chance operation**

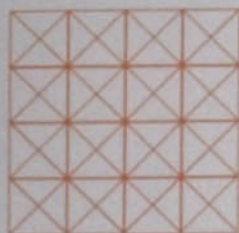


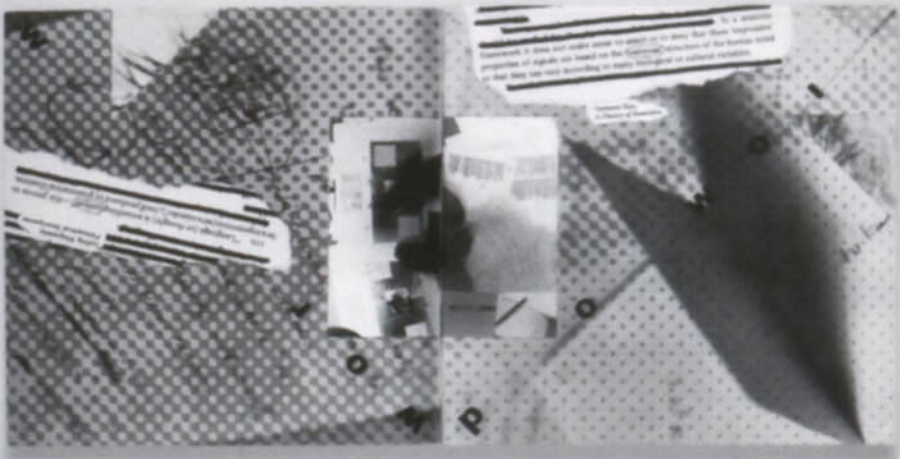
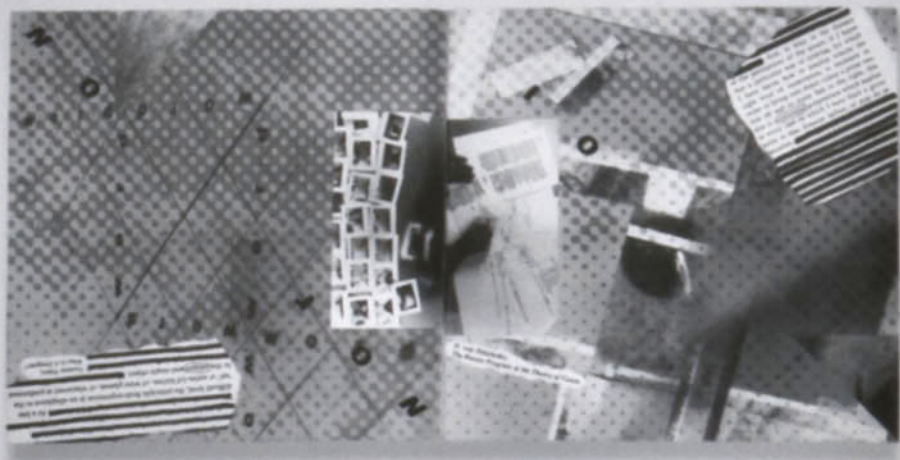
exhibit comparisons

02 08 19 21

26 31

03 06 07 27

35 38



This book of seemingly random three-dimensional spaces, texts, and images is built on a master grid that helps contribute to its intuitive organic quality. This project was completed for an exhibit entitled "Universal/Unique." The exhibit's focus was on the relationship between structure and freedom in design, and participating exhibitors were asked to submit work using predetermined kernel elements: a grid, the word "word," and the image of an eye. The designer set up a modular grid within a square format using the horizontal, vertical, and isometric (45°) axes, and then systematized how each of the kernel elements, plus excerpts from essays and photographs of the

actual design process, would interact with the grid. The square formats together form the layout of a book on a press sheet, and cutting the sheet into book signatures enforces, and yet also denies, properties of the grid. The master "eye" grid, for example, shows its triangular dissection, based on the master grid, which destroys its recognizability but directs the segments' placement from page to page. The excerpted texts, which on one side of the sheet all refer to the idea of universality, come into juxtaposition with the opposing concept, uniqueness, when the pages are cut and folded together.

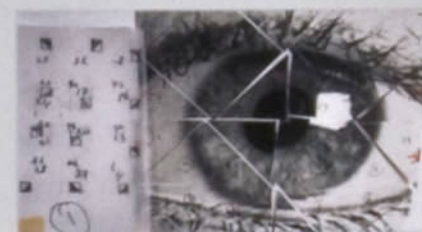
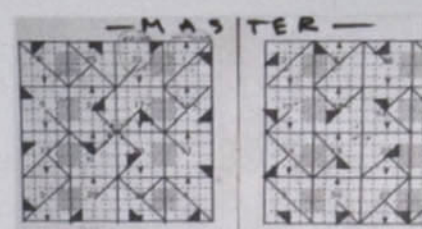
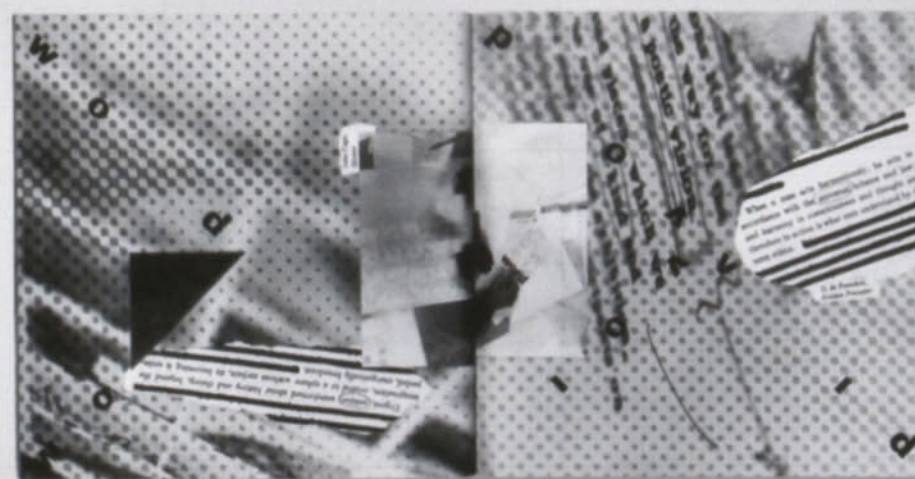
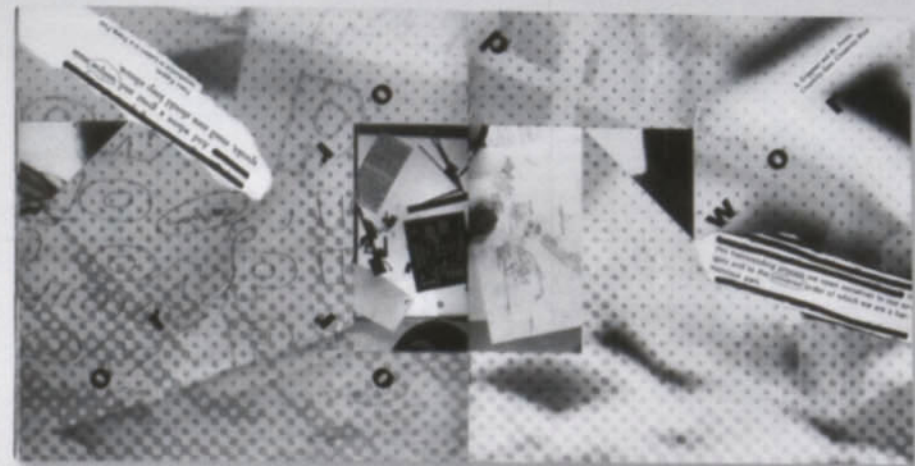
The grid forces the deconstruction because its structure is created before assessing the material it governs: the material ends up doing whatever it will as it is made to conform to its predetermined criteria. The result is a collage of texture, shadow, light, and type that, upon closer inspection, reveals its hidden order.

project
Chance/Choice
Book, exhibition work
Saddle-stitched booklet
Offset lithography, one color

client
University of the Arts
Graphic Design Department
Educational Institution
Philadelphia, PA

design
Thomas Ockerse
Providence, RI

photography
Thomas Ockerse
Providence, RI



project
Objects in Space
Exhibition poster
Offset lithography

client
American Institute of
Graphics Arts,
Los Angeles chapter
Los Angeles, CA

design
April Greiman
Los Angeles, CA

structure

Spontaneous optical
composition

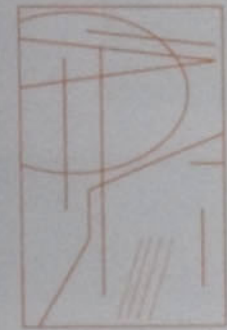


exhibit comparisons

- 03 06 11 14
- 17 19 28 29
- 32 33
- 06 27 38

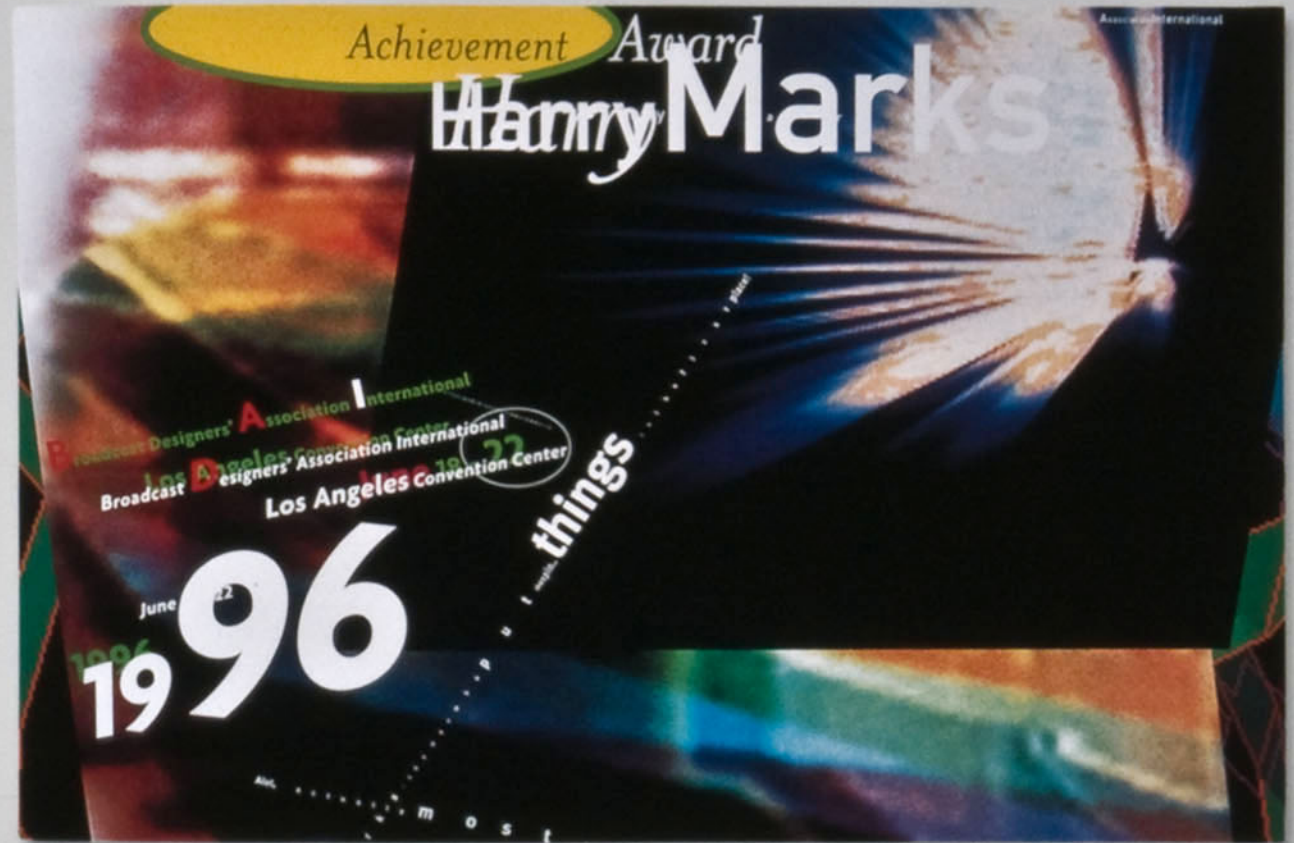


project
Harry Marks
Achievement Award
Poster
Offset lithography

client
Broadcast Designers'
Association International
Los Angeles, CA

design
April Greiman
Los Angeles, CA

In these two posters, the designer explores the experiential quality of optical space. Neither poster has a recognizable structure, in terms of geometric alignments; further, the hierarchy of information is also in question. The space is organized in a painterly, intuitive way, balancing areas of tension and solidity, like lines of type with open nebulous areas of light and color. Every element acts in concert with the others around it, producing an overall cohesion within the posters as objects or environments, but leaving the viewer free to explore the verbal material as he or she sees fit. The type acts as a constellation within the undefined space that the viewer may interact with at his or her leisure.



structure

Architectonic column-grid deconstruction

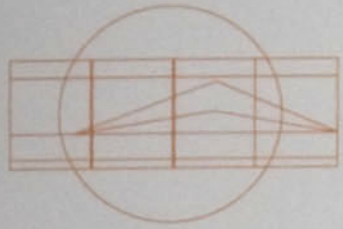


exhibit comparisons

04 05 07 09

10 15 16 23

25 30 31 33

36

02 05 08 11

14 18 26 28

33 37

UNIVERSITY OF PENNSYLVANIA

2003
MAJOR OF FINE ARTS PROGRAM

PAINTING / PRINTMAKING
Thomas Anderson, John Olson, Michael Robinson, Jeff Sackler-Schneider, Robert Shultz, Benke Tilsner, In addition, 2002-2003 award winner Alfred Fuchs, Alan Wachs and Robert Stern.

Graduate studios are located in both the Morgan Building and the Parsons Fine Arts Building. The Morgan Building, a 1996 renovation of 1990, houses 12 studios averaging 200 square feet. Designed by architect Coppe and Newtonson, the arts and crafts style building features central gallery and meeting areas, surrounded by studios with natural light. Eight additional 400 sq ft studios for painters are located in the Uhlenberg Wing of the Parsons Fine Arts Building which also houses the Fisher Fine Arts Library and the Arthur Ross Gallery.

Printmaking studios for silk screen, linocut, etching, relief, monotype, collage, drypoint, and photo print processes, as well as administrative offices are located in Morgan. 140 sq ft are offered 24 hours, 7 day-a-week access to fine arts facilities.

SCULPTURE / VIDEO / ARTS
These studios, located in the Morgan Building, are available 24/7. 2002 award winner Alfred Fuchs, Alan Wachs and Robert Stern.

All studios are provided with a studio. Technical courses will be supported along with additional wood, clay, stone and metal as well as an on-site computer and photography facilities.

NEW COURSES
Studio Coordinator: Henry Pennington, Andrew Shultz, College/College
Computer Center: Alfred Fuchs, Central Java Center, Drawing Center, Graduate Student Center, Graduate Printmaking Center, Information: Henry Pennington, Jennifer Shultz, Pennington in the Visual art

PAINTING / PRINTMAKING
The Graduate School of Fine Arts has a long history of excellence in the field of painting and printmaking. The program is designed to provide students with a rigorous and comprehensive education in the visual arts.

SCULPTURE / VIDEO / ARTS
The Graduate School of Fine Arts has a long history of excellence in the field of sculpture, video, and other media. The program is designed to provide students with a rigorous and comprehensive education in the visual arts.

EXHIBIT COMPARISONS
04 05 07 09
10 15 16 23
25 30 31 33
36
02 05 08 11
14 18 26 28
33 37

2003 MAJOR OF FINE ARTS PROGRAM

The Architectural Archives of the University of Pennsylvania preserves the works of more than 400 designers from the 19th century to the present.

The gallery presents a year-round collection of art collections, including objects from the 19th and 20th centuries, as well as contemporary art. The gallery also offers public lectures, panel discussions, seminars, and traveling exhibitions with an interdisciplinary approach and international focus.

The Graduate School of Fine Arts offers a variety of graduate programs in the visual arts. The program is designed to provide students with a rigorous and comprehensive education in the visual arts.

John Moore
Associate and Editor, Graduate Professor of Fine Arts, Chair, Department of Fine Arts

Prospective applicants wishing to contact the Department of Fine Arts, Graduate School of Fine Arts, should contact:
Jane Vlach, Coordinator
Telephone: 215 895 8215
Fax: 215 895 8209
E-mail: svl@gsfapenn.edu

Prospectus of Fine Arts Building, School of Graduate Studies, University of Pennsylvania
Prospectus of Fine Arts Building, School of Graduate Studies, University of Pennsylvania
Prospectus of Fine Arts Building, School of Graduate Studies, University of Pennsylvania
Prospectus of Fine Arts Building, School of Graduate Studies, University of Pennsylvania

project
Course prospectus
Poster/brochure
Offset lithography
Poster accordion folded to
standard U.S. letter format

client
University of
Pennsylvania Graduate
School of Fine Arts
Educational Institution
Philadelphia, PA

design
Paone Design Associates
Gregory Paone
Philadelphia, PA

photography
Jim Abbott
Philadelphia, PA

Multiple gridlike structures converge in this foldout course prospectus for a fine-arts educational program. Instances of single columns, triple columns, and modular structures appear, each suited to the nature of the paragraph it is structuring. The long, narrow, horizontal column of visiting artist names, for instance, accommodates what could have been a cumbersome listing in an unexpected way that unifies the four panels and forms a horizon line for the architectural image in the background.

All of the substructures are organized relative to each other, collectively under the influence of the enormous focal circle that links front and back panels and draws the reader into the format from the outside. Each element counteracts and carefully balances the tension or thrust of elements around it. Architectonic vanishing points lock the typography to the implied landscape of buildings where the program is housed.

structure
**Column grid
 deconstructed by
 planar collage**

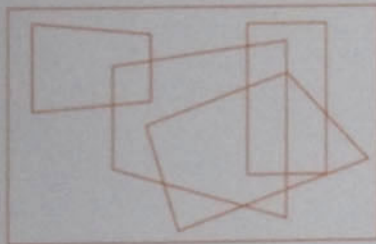
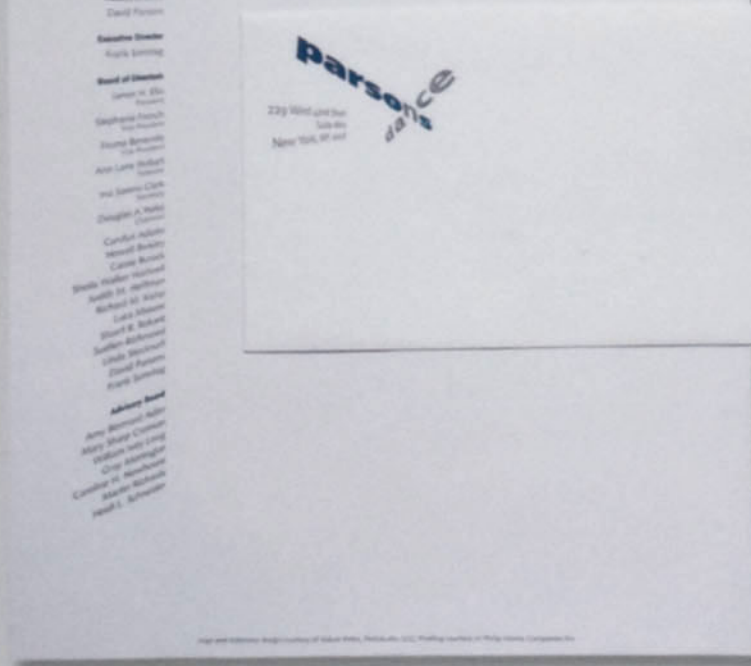
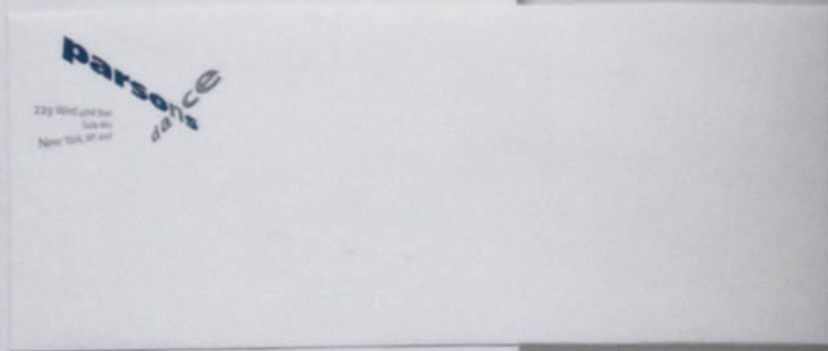
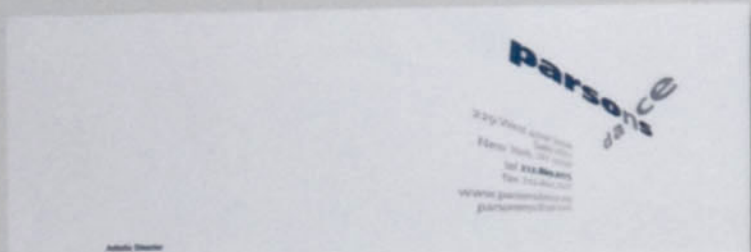


exhibit comparisons

- 04 05 07 09
- 13 15 16 23
- 30 34 36
- 02 05 08 11
- 14 17 33 37



project
 Corporate identity
 Stationery system and
 event invitation
*Offset lithography, four
 spot colors*

client
 Parsons Dance Company
 Professional dance troupe
 New York, NY

design
 Pettistudio LLC
 Valerie Pettis [CD]
 Susan Fritze
 New York, NY

photography
 Lois Greenfield
 New York, NY

The identity and print materials for a dance company in New York follow no grid... nor are there any horizontal or strictly vertical elements at all. The system is completely spontaneous, operating off the expression that begins in the logo. Its letters, liberated from the flat, static confines of two-dimensional space, fly against each other like the dancers in the company's performances.

No typography in the system is standardized in terms of placement or size, although the same type family unites all of the materials.



The invitation to an opening night gala incorporates photography of dancers collaged with three-dimensional typography that tilts forward and back in space. The random width of the "columns" of type interact with the figures around them in a rhythmic movement across the panels.

structure

Three-dimensional collage

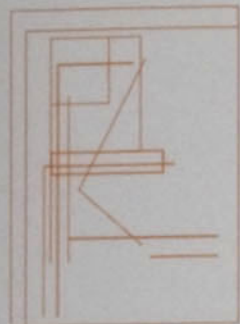


exhibit comparisons

03 04 08 09

14 15 17 19

25 28 32 33

36

06 13 27

Like many posters, this one for an exhibit of faculty work at a U.S. design school has few informational requirements. An event name, a date, a place, an emotional or visual appeal to the viewer, a conceptual message—these are the necessary components. Here, they are treated in a photographic collage of parts that likely echoes the design aesthetic of the instructors' work, as well as provides interest and inspiration to the intended audience, in this case students of design and the fine arts.

Assembling specific parts of the information hierarchy, textures, and objects relating to the exhibit, the designers added and removed material as part of the collage process. The hierarchy is the basis for the organization of collage elements. Changing the placement and quality of textures, light and shadow changes the perceptual ordering of that hierarchy. In the series of sketches leading up to the final, it's clear how those changes led from flatter, more schematic presentations to a richer, luminous, more dimensional environment for the information.

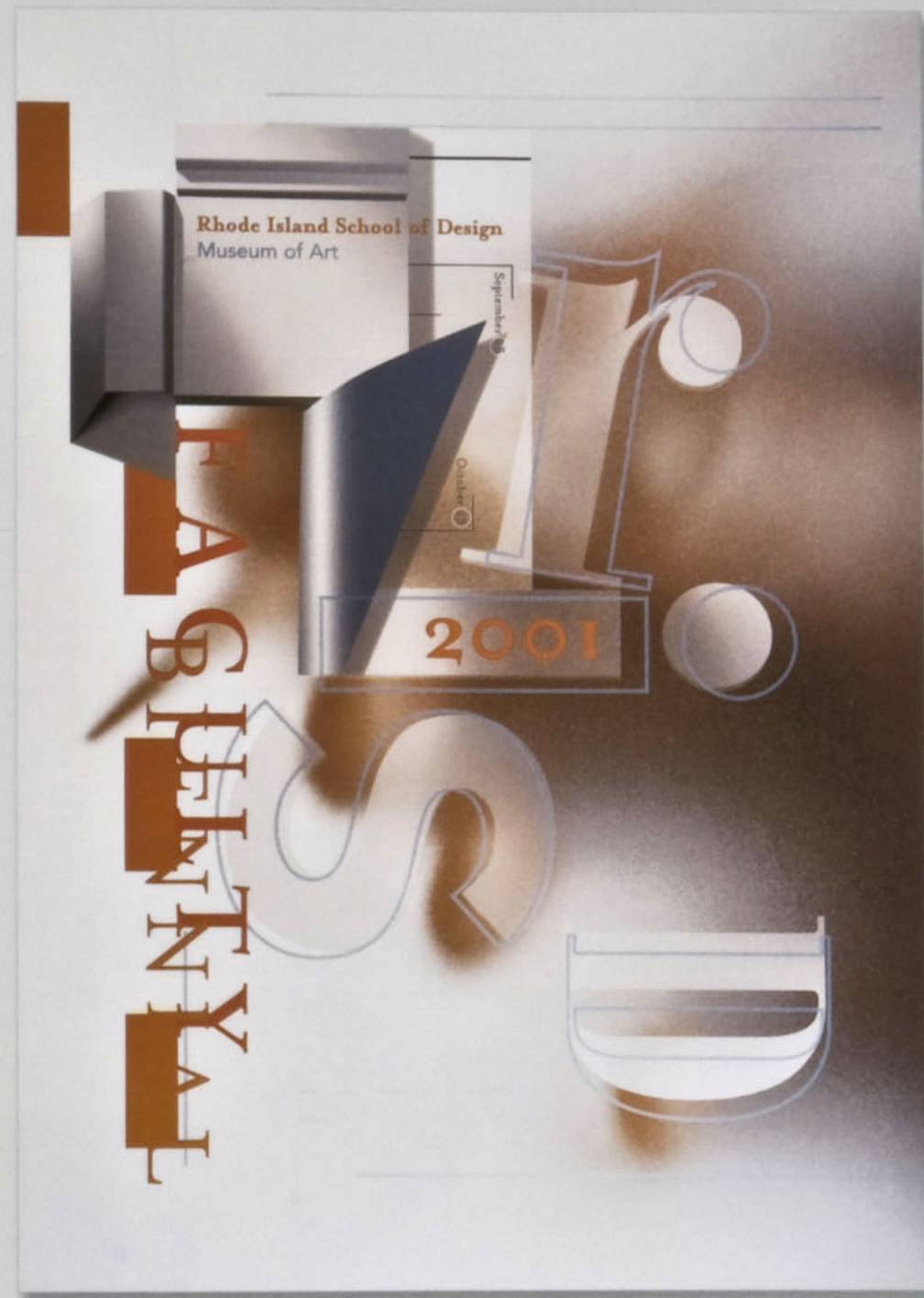
Increased depth allowed the large-scale RISD to separate spatially from the other text and calls Faculty Biennial forward. The additional architecture of the exhibit's empirical information becomes sharper and more intricate as a foil to the loose, shadowy deformation of the background and surrounding elements.



project
Faculty Biennial
Exhibition poster
Offset lithography

client
Rhode Island School
of Design
Educational institution
Providence, RI

design
Skolos/Wedell
Canton, MA



structure

Modular grid deconstruction on hierarchical grid

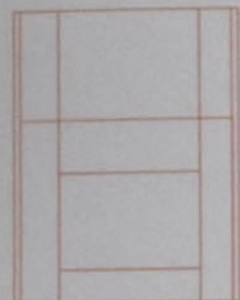


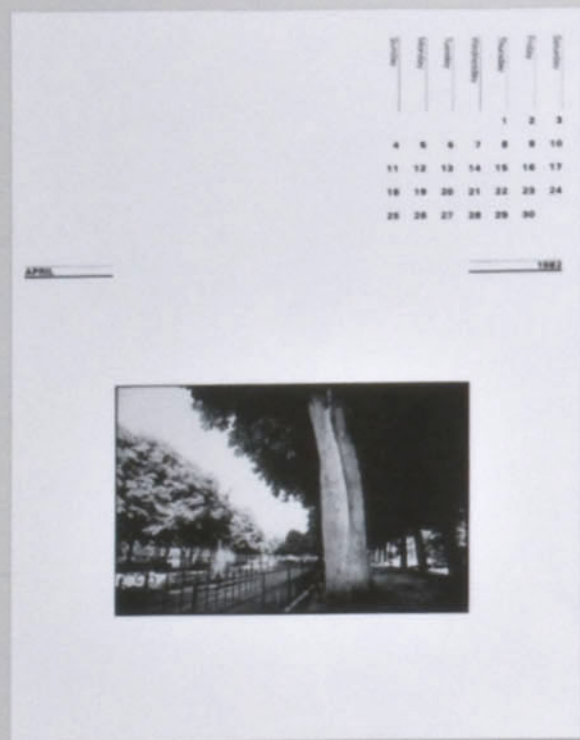
exhibit comparisons

01 04 17 18

21 26 31

03 07 12 15

17 21 34



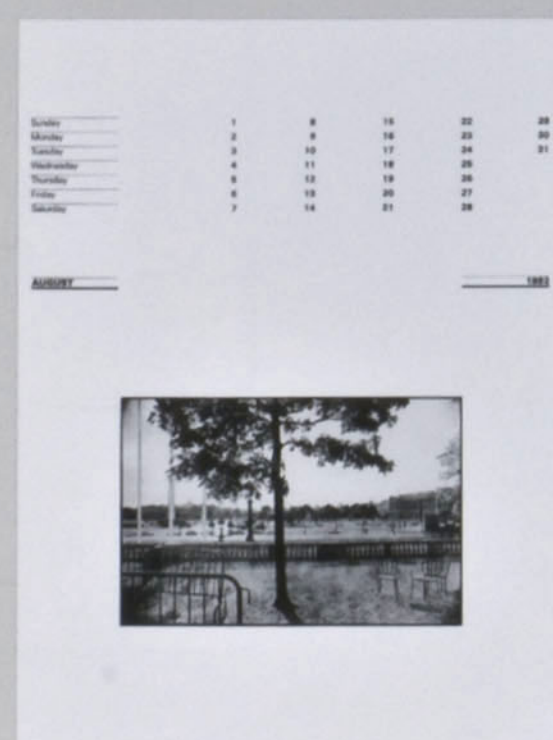
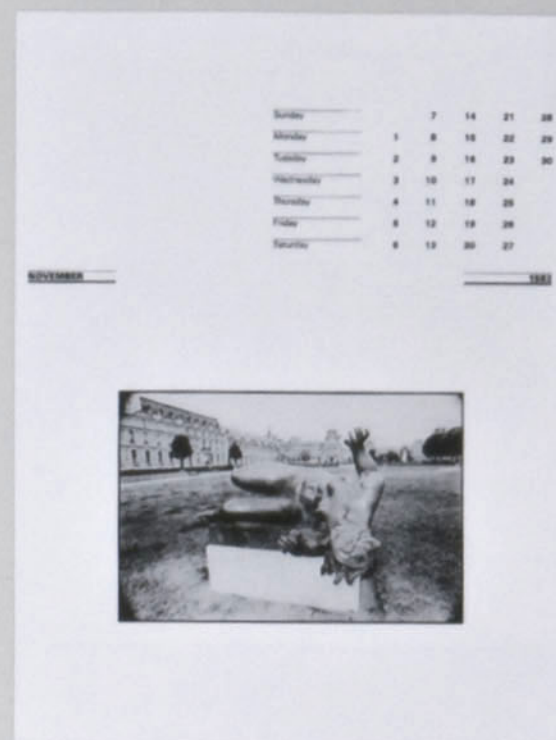
This calendar showcasing a photographer's images uses a simple predetermined structure to organize repeating elements, but is overlaid with a changing grid structure. On each page of the calendar, a symmetrical grid places the selected photograph, the name of the month, a marker for the year, and orientation alignments for the calendar grid above. The calendar grid itself expands and compresses or even reverses the relationship between its horizontal and vertical axes in response to the optical weights and compositional stresses within the photograph below it.

project
Calendar
Offset lithography
Duotone
Spiral bound at top

client
Friedrich Cantor
New York, NY

design
Willi Kunz Associates
New York, NY

photography
Friedrich Cantor
New York, NY



structure

Manuscript grid and column grid deconstruction



exhibit comparisons

01 04 05 07

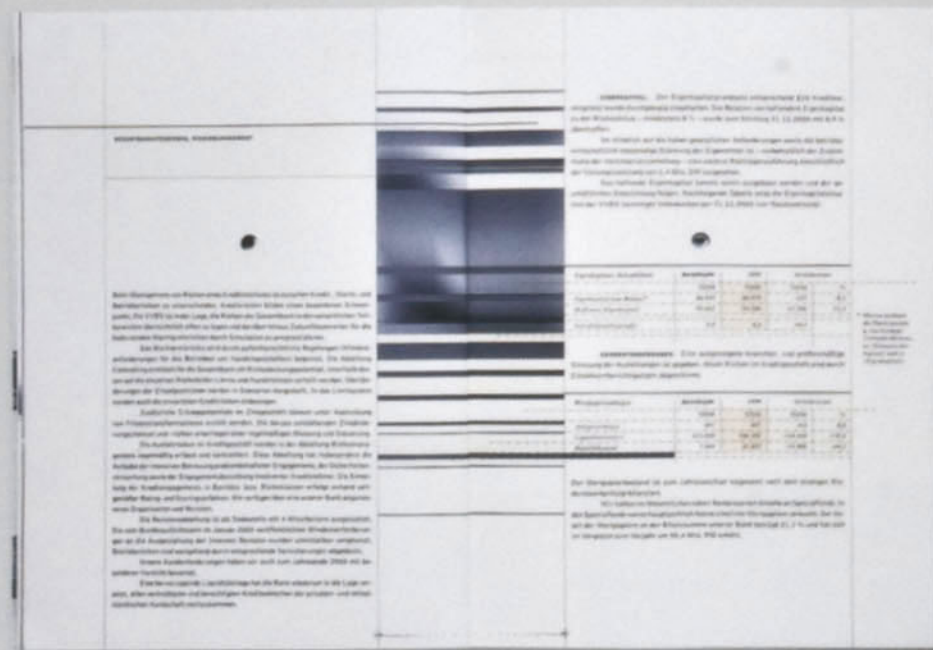
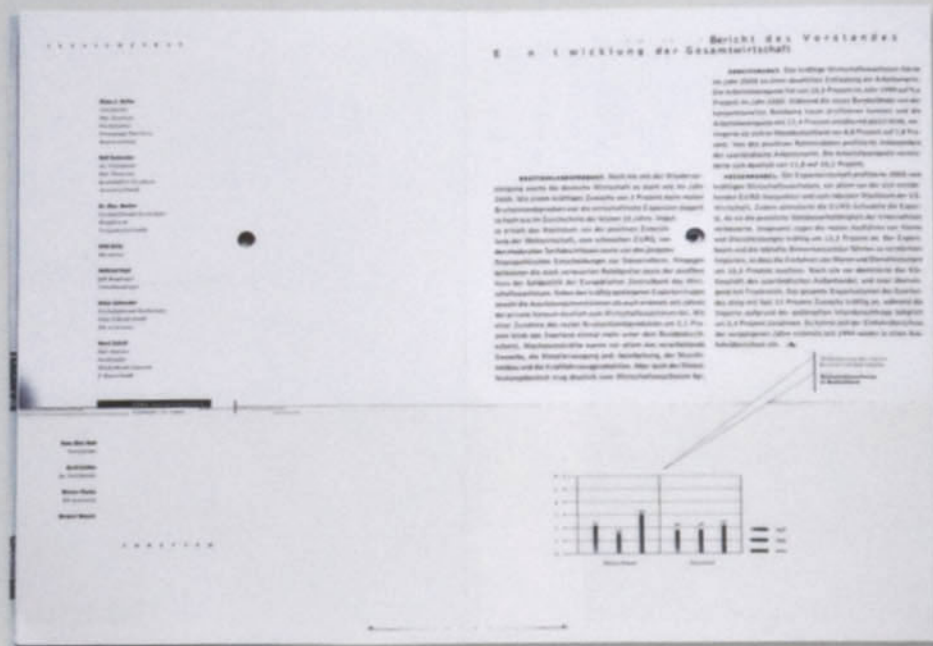
09 15 16 22

23 14 30 36

01 02 05 08

11 14 18 21

26 28 33 37

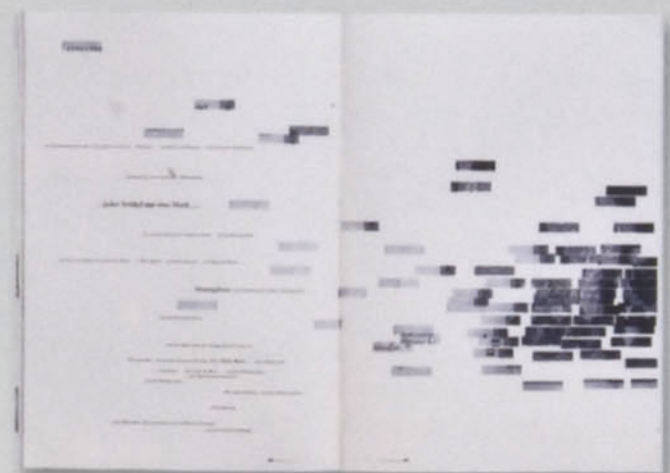
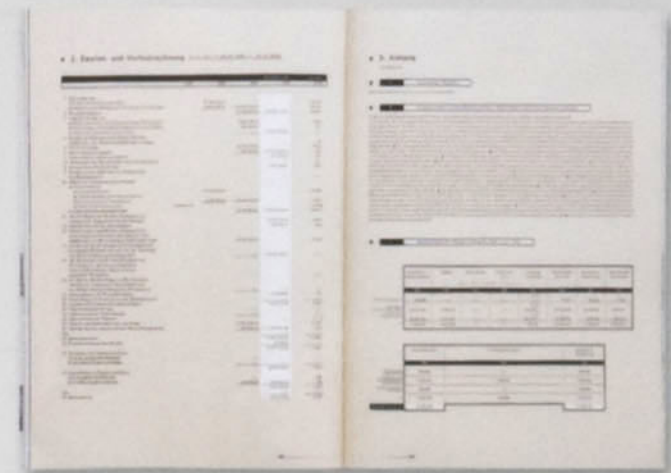
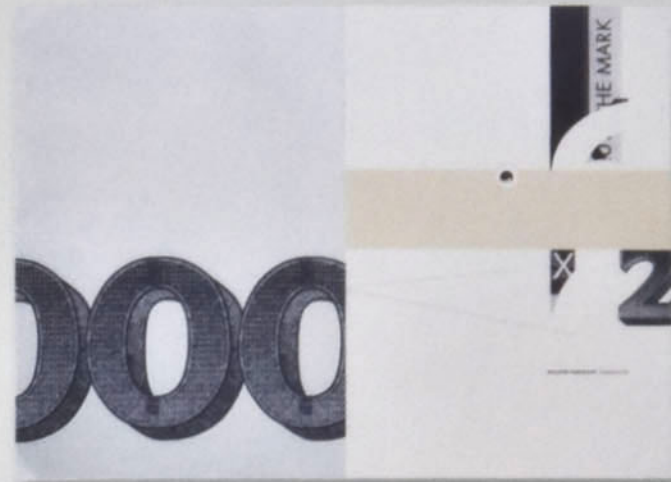


project
Annual report
Perfect bound book
with offset-printed wrapper
Text printed offset, two colors

client
Vereinigte Volksbanken
Financial services
Hof, Germany

design
Maksimovic & Partners
Ivica Maksimovic [CD]
Patrick Bittner [AD]
Saarbrücken, Germany

photography
Patrick Bittner
Andy Wakeford
Saarbrücken, Germany



The delicate and detailed typographic treatments of this annual report for a German bank, some of which are deconstructions of printing details from money, stocks, and other financial documents, interact playfully with rigid columns. The column structure changes from section to section and is cut into or split apart as needed. Alternating justified manuscript- and two-column pages creates additional rhythm and a kind of unity that doesn't cramp the designer's intuitive impulses. The reader is allowed to enjoy the fine detailing of rules, dots, and diagrams.

Interestingly, the financial statements toward the back of the booklet are the least structured. Consolidated balance sheets span the full page in a more-or-less conventional numeric column structure, but subsequent pages break images and text apart into strips, as though being shredded.

By choosing an austere grid with intent to violate it on occasion, the designer creates a stately sense of tension between order and decoratively placed deconstructive detail.

structure

Hierarchic grid with filmic collage deconstruction

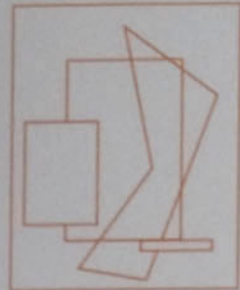
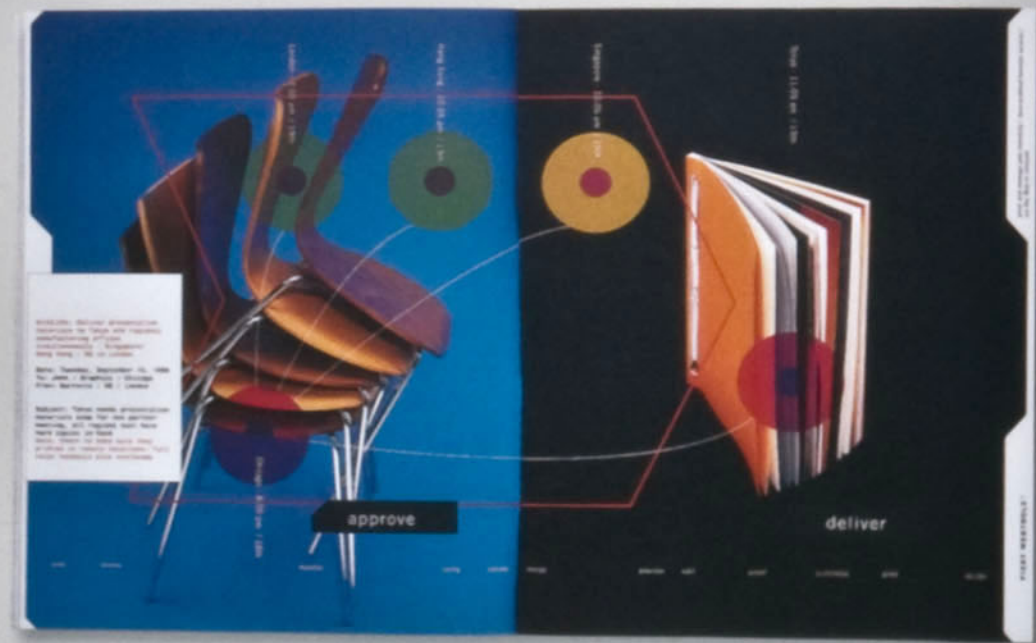
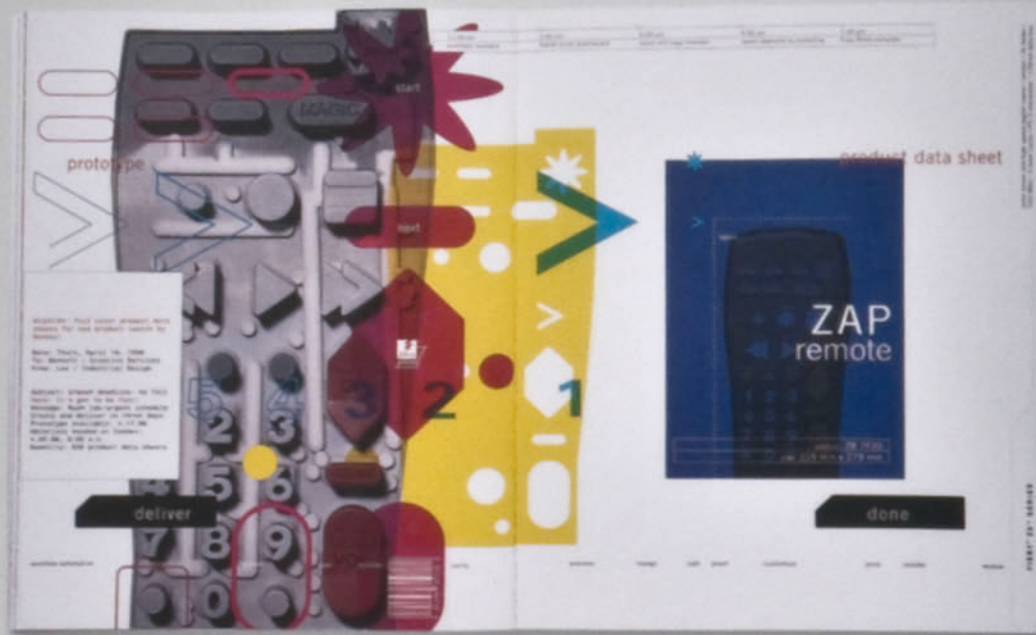
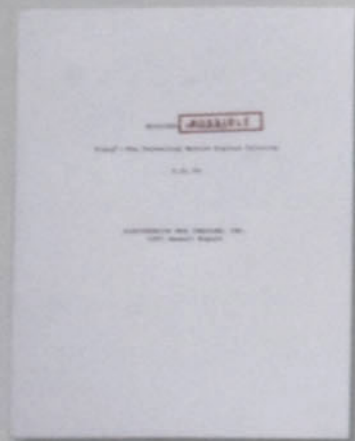


exhibit comparisons

- 01 07 09 11
- 13 17 22 28
- 37
- 04 12 20 23
- 32



project
Mission Possible
Annual report
Perfect-bound book with
printed-tissue jacket
Offset lithography on
uncoated text stock with
plastic divider pages

client
Electronics for Imaging
Manufacturers of
digital printing systems
San Mateo, CA

design
Tolleson Design
Steve Tolleson
Jean Orlebeke
San Francisco, CA

photography
Davies + Starr
San Francisco, CA

illustration
Davies + Starr
San Francisco, CA



In this annual report for a manufacturer of high-end electronic printing technologies, several simple structures combine with dynamically composed imagery that invokes diagramming, electronic page headers, file folder tabs, and other office electronics vernacular in nongrid relationships.

The first section is a set of financial highlights, delivered in a very straightforward text-block structure. Running text and simple graphs are set in bitmapped type and given ample margins and leading, yet without linear correspondence between baselines or hanglines. The focus becomes the text and the paper. Conceptually, the section takes on the aspect of a classified report, reflecting the project's thematic title.

The second section presents scenarios in which the client's technology makes nearly impossible electronic print jobs happen smoothly. This section follows its own structure, unrelated to that of the first: a home position for certain kinds of items, like a description of the scenario and key idea words, provides consistency against five photographic layouts that vary in complexity and treatment. Visual unity is given through details: dashed rules, type treatment, and geometric shapes.

The third section contains the financial data, again presented in a simple structure with tabs. In this section, however, the text column has been rotated, and its right margin corresponds to the text hangline from the first section.



structure

Compound column grid deconstructed by collage

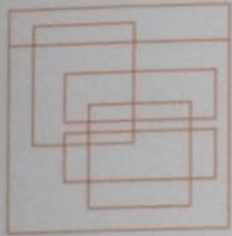


exhibit comparisons

04 05 07 09

10 14 16 19

22 23 24 26

28 30 34

02 05 08 11

14 18 26 28

33

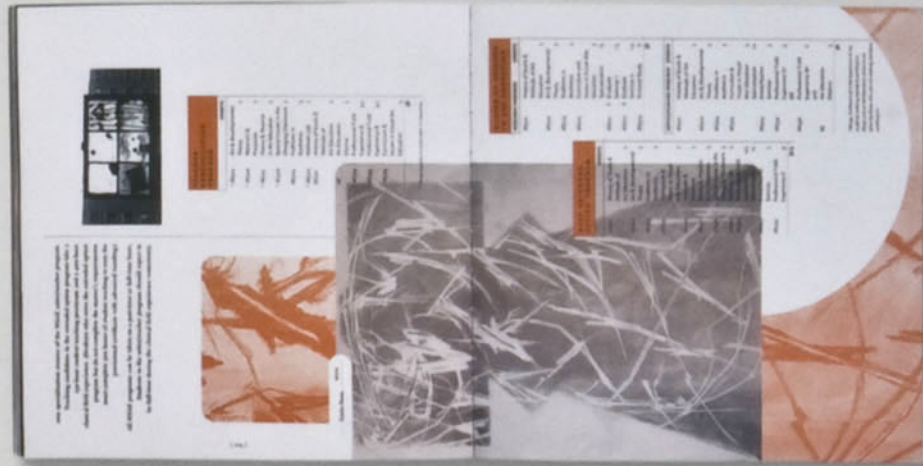


project
Course Catalog
Perfect bound book
Offset lithography

client
Massachusetts College
of Art
Educational institution
Boston, MA

design
Stoltze Design
Clifford Stoltze [AD]
Tracy Schroder
Heather Kramer
Peter Farrell
Resa Blatman
Boston, MA

photography
Cecilia Hirsch
Boston, MA



This course catalog relies on multiple structural ideas to convey the experimental, exploratory, and often antiestablishment environment of an art school. The overlap of images, type, and integration of several different alignment structures serves as a metaphor for the interaction of different artistic disciplines, as well as divorcing the institution from its counterparts: nonarts educational universities.

The first few spreads are seductively simple. Misalignments in the columns of the table of contents and the mission statement, while unorthodox, only hint at the upcoming dynamics. Beginning with the descriptive section about the surrounding city, each section takes on its own organizational qualities. Sometimes a few center-axis columns hang from the top of the page, sometimes there are no columns. Course information begins in a four-column structure but quickly dissolves, ignoring hanglines and, in some cases, running horizontally across the gutter of the spread.

Photographs and artwork are arranged in non-rectangular boxes or are tinted behind running text. No consistent alignments, but the pages hold together in a clean, direct sort of tension where the visual qualities of the images and shapes are played against each other.

structure

Hierarchical grid deconstructed into multiple layers

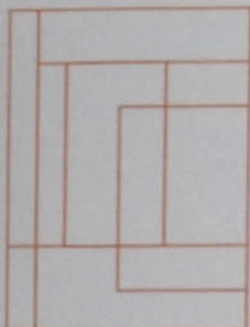


exhibit comparisons

05 07 09 10

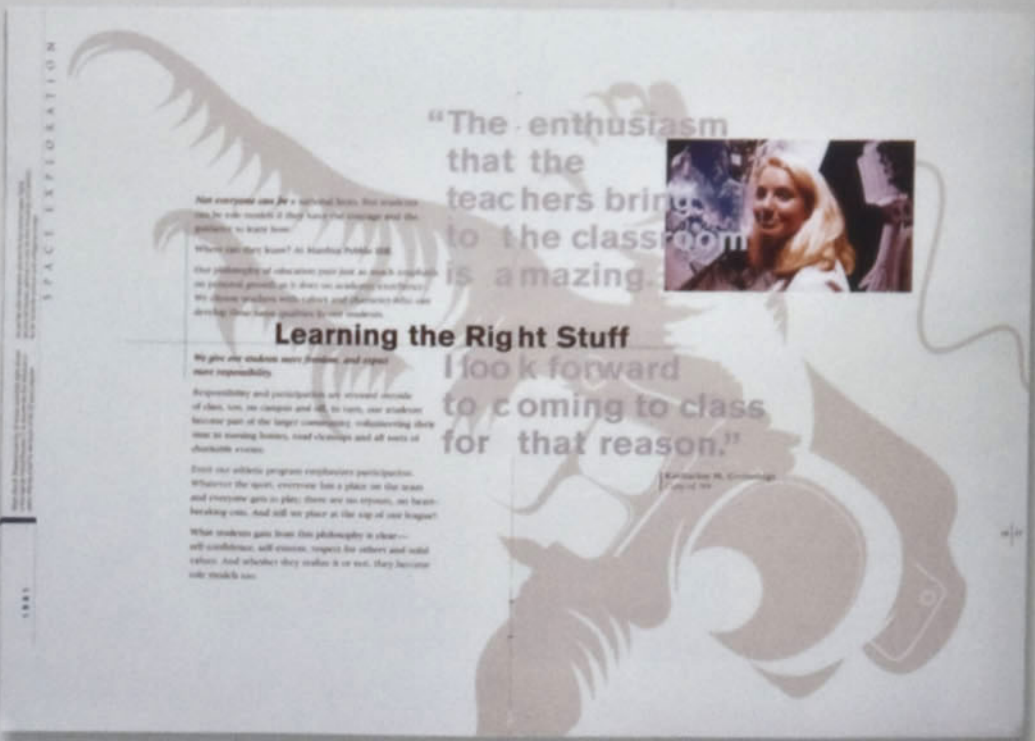
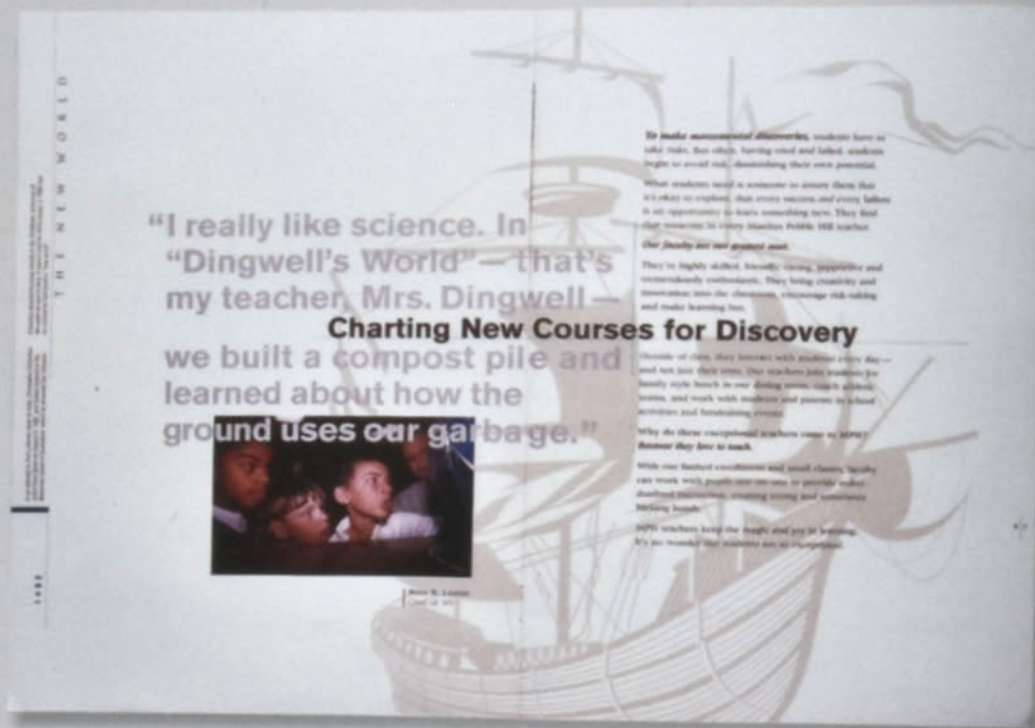
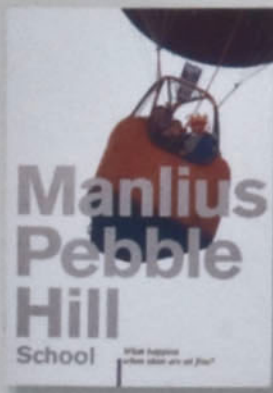
13 15 22 30

36

04 08 14 18

20 23 31 32

34 36



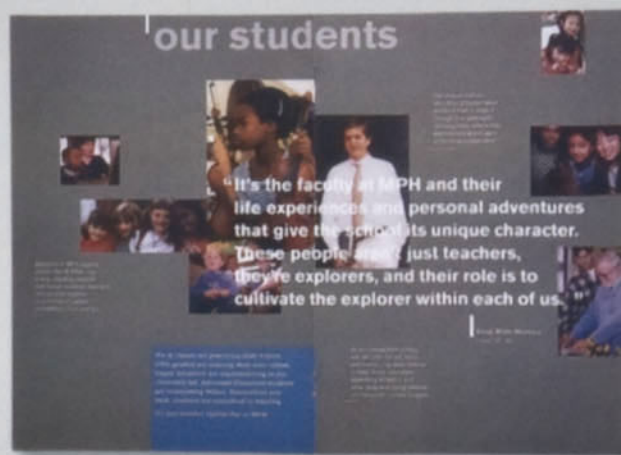
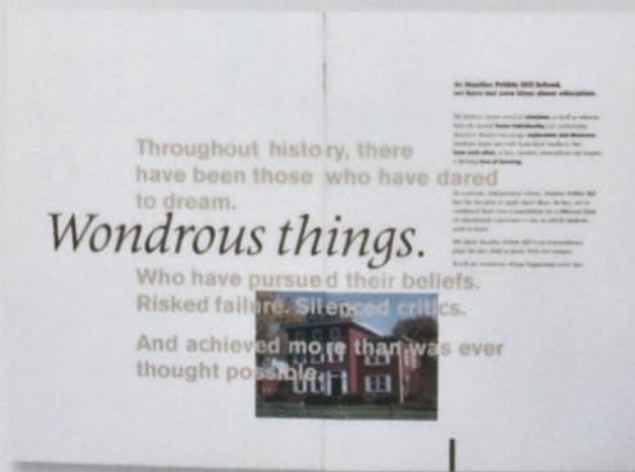
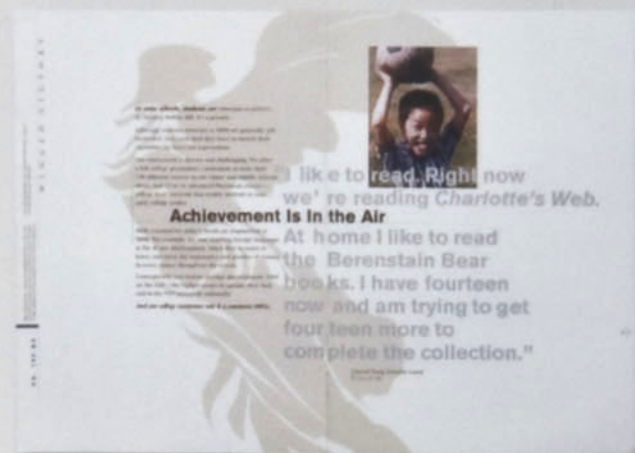
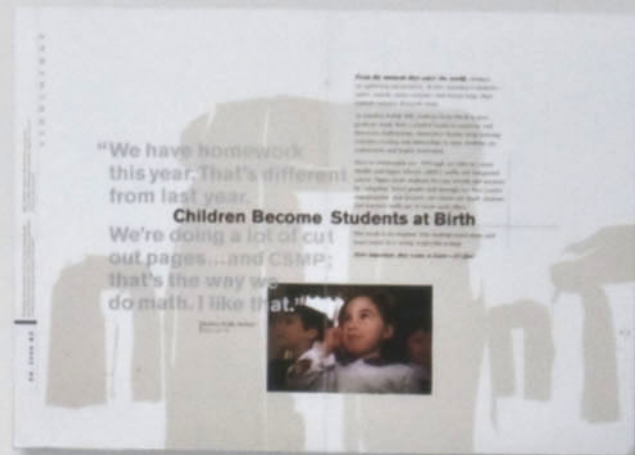
project
Admissions viewbook
Recruiting brochure
Saddle-stitched booklet
Offset lithography

client
Manlius Pebble Hill
School
Private educational
institution
Syracuse, NY

design
Timothy Samara
New York, NY

illustration
Timothy Samara
New York, NY

photography
Ron Trinca
Syracuse, NY



This admissions recruiting brochure for a private school focuses on positioning the school as a nexus in Western education—passing on the skills and knowledge associated with historic achievements as part of its curriculum, thereby preparing students to achieve greatness on their own. Each spread exhibits one Western achievement paired with a conceptually similar stage of student development: for example, early architecture becomes a metaphor for the kindergarten program. Each spread conforms to a hierarchical grid for specific features, but the remainder of the content is pushed around to accommodate the large drawings, photographs, and running text that are central to the concept.

Each event is catalogued in a vertically running bar of text at the left edge of the format, describing the event and giving pertinent information. The spread 'title' always runs across the center as a focal point, binding the elements together. Page numbers occupy a standard location at the lower right edge of the format. Column widths and type treatments remain consistent, but their relationship to each other, and to the format as a whole, change as needed to create a fluid composition with the photograph and drawing. Alignments overlap; texts are layered and cross the gutter.

A strictly informational student life section plays off these treatments but organically rearranges the grid elements—captions, quoted statements, inset pictures—based on their formal qualities alone.

Structure

Spontaneous hierarchical composition



exhibit comparisons

03	08	11	14
15	19	20	22
25	29	30	32
34			
04	09	19	22
23	27	30	34
36			

An intuitive hierarchical structure, based on the visual and conceptual qualities of a selected image, creates strong, concise branding across a series of posters for this Swiss arts festival. The designer conceived of the idea of radiology to represent the nature of the festival, which helps to illuminate the work of the normally underground community of up-and-coming artists. For the festival's first year, all of the relevant events were accessible by foot, so an X-ray of a foot was used. In the second year, some of the festival's venues could be reached by bus, so the image changed to that of a hand holding an overhead strap on a bus. Each year, the X-rayed object changes.

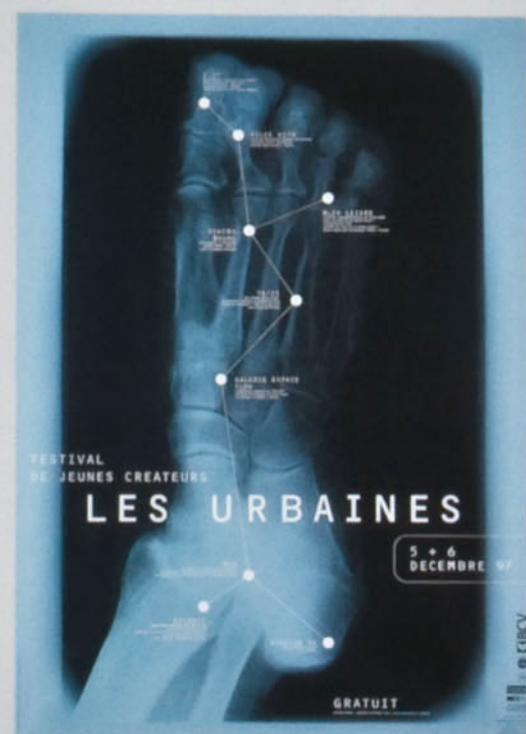
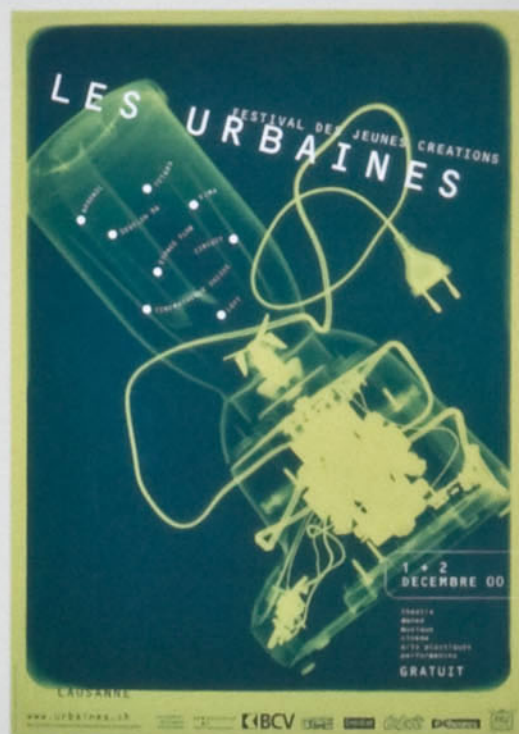
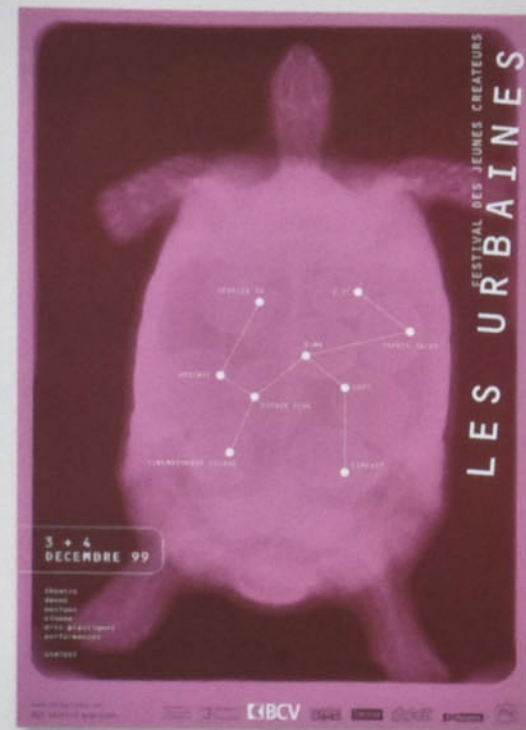
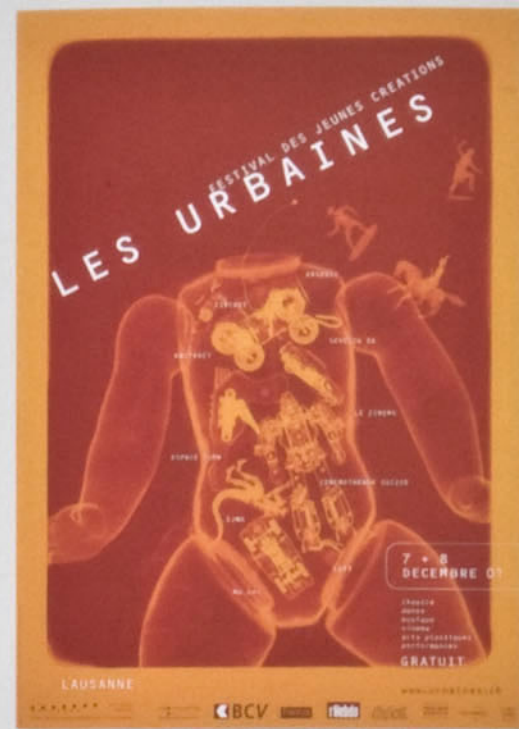
The information that clarifies the participants and venues is arranged based on pictorial details within or around the image, and so the structure of that information changes. The designer adjusts the position and treatment of the other two primary parts of the hierarchy, the festival title and the date block, in response to the overall composition for the image; type selection and prominence of the elements within the perceived hierarchy remains the same.



project
Underground Arts
Festival
Promotional poster
system
Offset lithography

client
Les Urbaines
Arts promotion
organization
Lausanne, Switzerland

design
Atelier Poisson
Giorgio Pesce
Lausanne, Switzerland



structure

Hierarchical grid deconstruction and decorative grid

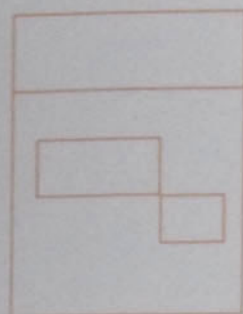


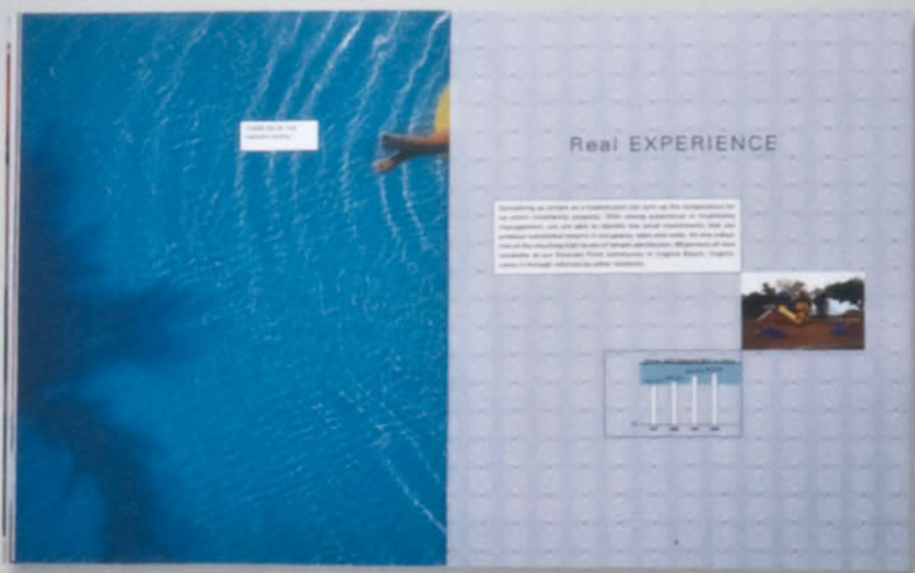
exhibit comparisons

03 12 14 17

20 22 27

04 07 08 12

20 21 31 32



In this annual report, the designers reversed the relationship between structure and illustration, grid and surface.

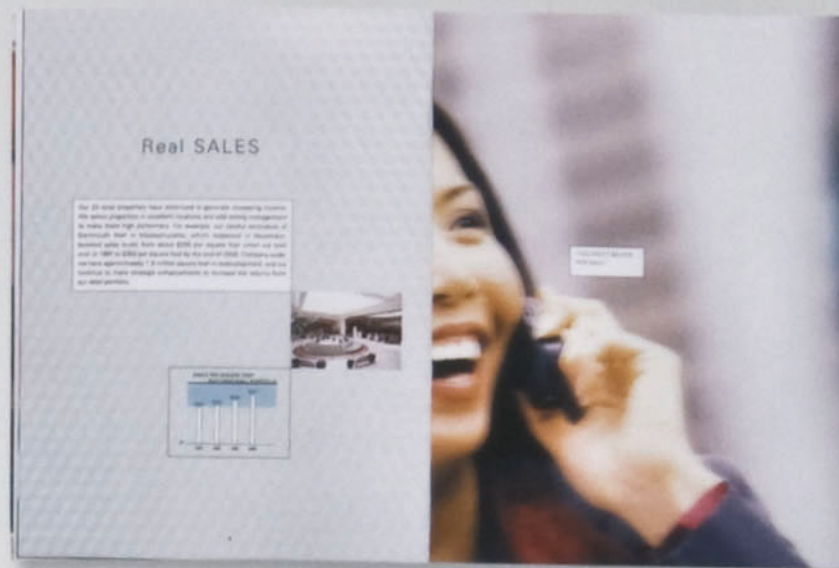
The concept section of the report focuses on statements that interact with a photograph of properties and property types relating to the company's real estate interests, and each spread is structurally completely different. Some ele-

ments, like boxed statements or quotes, charts, and small inset photographs, are repeated as treatments but follow no underlying structure, except for a single hangline that helps orient the reader from spread to spread. Otherwise, the elements move around freely, sometimes reacting to elements in the full-bleed photographs.

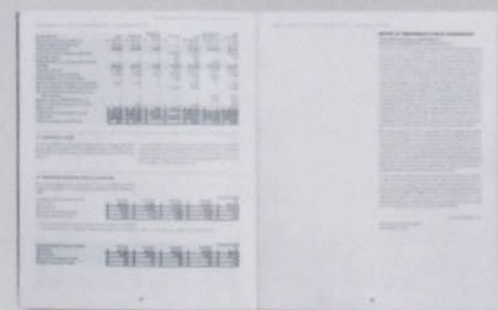
project
Real Places
Annual report
Perfect-bound book
Offset lithography

client
Pennsylvania Real Estate
Investment Trust
Philadelphia, PA

design
Allemann, Almquist & Jones
Philadelphia, PA



The backgrounds behind this antistructure, however, are decorative patterns made of gridded elements. The structural motif is appropriate to the idea of square-footage or retail shopping areas but acts as an illustration. The financial statements defer to a standard two-column grid that subdivides as needed for tabular data.



structure

System of hierarchical compositions with collage and decorative modular grids

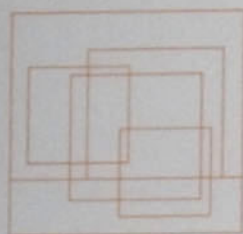
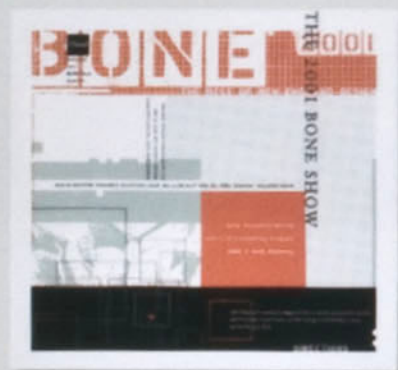


exhibit comparisons

- 02 05 06 08
- 11 15 18 24
- 30 35 36
- 03 06 07 09
- 10 13 19 22
- 24 27 29 30



project

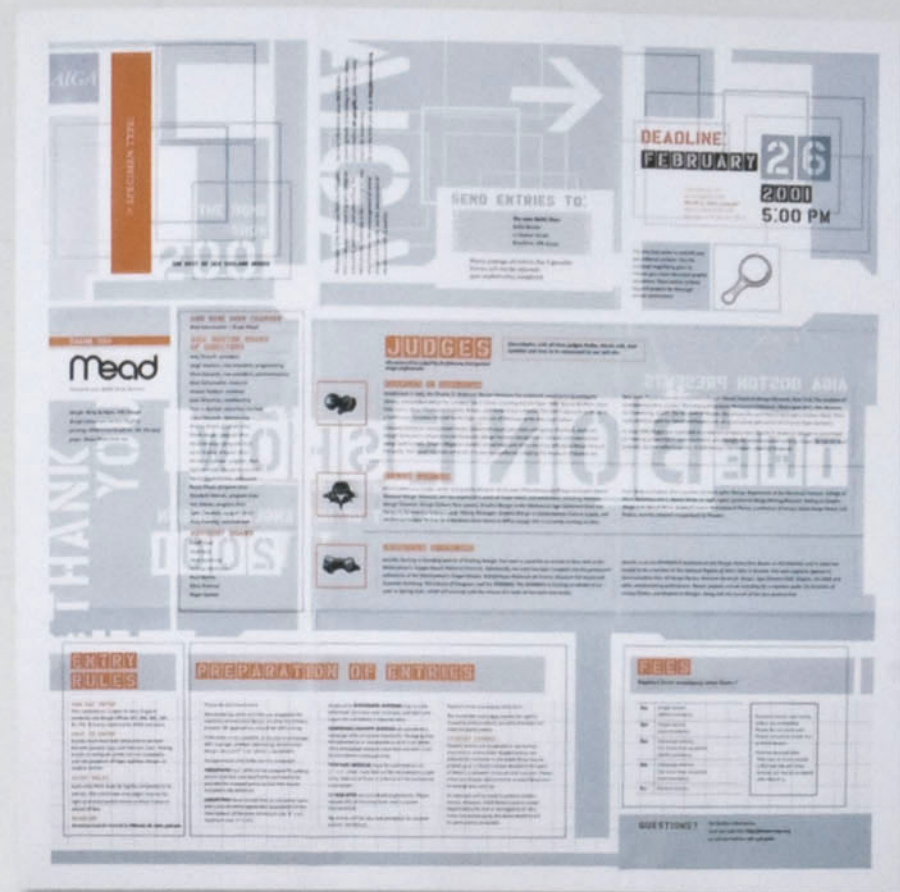
The BONE Show
Event identity system
Print collateral and
exhibition space
Silkscreen and offset
(print collateral)
Wood, glass, vinyl lettering,
light projection (exhibition)

client

American Institute
of Graphic Arts, Boston
Chapter
Professional designers'
association
Boston, MA

design

Kristin Hughes
and Ink Design
Poster
Kristin Hughes
all other applications
Pittsburgh, PA



This branded system of promotional material, exhibition catalog, and exhibition uses a grid as the backdrop for its loose forensic/archaeological specimen metaphor. The visual texture of a grid binds all of the elements together, despite different textural qualities, reading directions, and collage-like overlays of information and decorative imagery.

The grid itself is reminiscent of the copy-camera positioning platform used to photograph items found in archaeological digs. Although it appears on every application, the grid doesn't function so much as an ordering system as a conceptual decoration. In some cases—the card and the certificate, for example—the grid is strictly texture. On the poster, its modules explode outward as an overlay that frames and dissects bone images, surprinted in silver. In the catalog, the module is made singular as a holding device for the exhibit information, but it doesn't exert any structural control over the information residing within it, other than to establish a left margin. Elements of the grid are consistently deformed and reused as needed; the system uses this inconsistency as part of its language.



Within the exhibit itself, the square module appears as pedestals supporting exhibited works, although the squares are arranged in a random way. Typographic elements are printed on translucent panels that interact across the gallery space with other typographic materials and images, making a three-dimensional reference to the flat printed language of the collateral material.

structure

Optical composition based on conceptual criteria

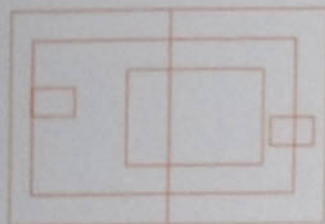


exhibit comparisons

03 08 11 17

23 25 29 32

33 34

06 10 27



project

Design Issues
Periodical covers,
front and back
Offset lithography in
two colors

client

Design Issues
Trade journal for
designers

design

Dan Boyarski
Pittsburgh, PA

photography

Dan Boyarski
Pittsburgh, PA

The organization of images and textures for this journal cover is optical and intuitive, based primarily on a desire to make connections between the image content and its textural qualities. The elements consist of deteriorating grids of type where the disintegration has rendered the language partially illegible, while enhancing its structural qualities; the strokes, the modular nature of the language, are visually more noticeable, but its function has been impaired. A play of light and shadow introduces depth but also references the idea of seeing with light aiding in the transmission of information through the eyes.

The insets play counterpoint to the background environment. Sharp photographs with clear depth of field contrast with the indistinct space of the background; conceptually, the reading glasses (symbolic of enhanced seeing) connect with the background image's illegible text. On each cover (front and back), the type is positioned in an intuitive relationship to the inset image, aligning along the edges or baseline to integrate it in to the overall composition.

structure

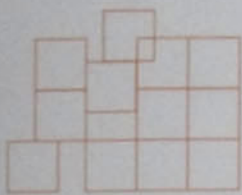
Modular grid
deconstruction

exhibit comparisons

02 06 12 19

26 31

03 06 07 10

13 16 17 19

24 27 30 38

This spare and elegant suite of stationery for an urban florist explores the relation of geometric order to organic movement. Using the horizontal and vertical alignments of a simple modular grid as a starting point, the designers have shifted the modules around in reaction to the random, flowing movement of flowers. Some edges of the modules have been made visible, etched out as thin rules that align with or overlap other elements as needed.

The flowers seem to grow out from behind the grid, influencing its structure but also restating it in some places. Address and contact information are separated and allowed to float across partitions, but each informational item occupies a discreet area, as will the addressee's salutation and the letter that will eventually fill the lower portion of the page.



project
Corporate identity
Stationery system
Offset lithography

client
Jamie Rothstein
Distinctive Floral Designs
Floral designer
Philadelphia, PA

design
Mayer + Myers Design
Nancy Mayer [AD]
Greg Simmons
Philadelphia, PA

JAMIE ROTHSTEIN

distinctive floral designs

313 CHERRY STREET
PHILADELPHIA, PA 19106

215 238.1220

JAMIE ROTHSTEIN

distinctive floral designs

313 CHERRY STREET
PHILADELPHIA, PA 19106

215 238.1220

structure

Spontaneous hierarchical grid deconstruction

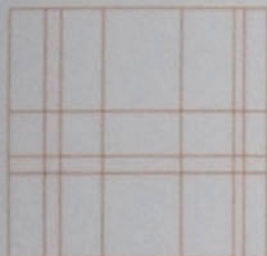


exhibit comparisons

04 12 13 16

18 19 31 35

36

04 08 14 20

23 28 32 34

36

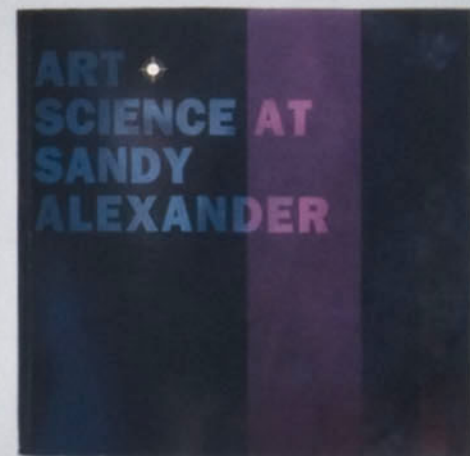


project
Art + Science
Promotional brochure
Perfect-bound book
Offset lithography with
metallic surprints and
translucent papers

client
Sandy Alexander Printers
Commercial printers
New York, NY

design
Ideas on Purpose
John E. Connolly
New York, NY

photography
Graham McIndoe
Chuck Shotwell
Pete McArthur
Alex Villaluz
Maria Robledo
New York, NY



Four separate galleries of photographic reproduction form the primary focus of this printer's showpiece. Each gallery section is devoted to the work of a single photographer and designed around a given theme. Structurally, alignment is minimal, and any alignment that exists is violated in every other spread. Each gallery section relies on its own logic to determine whether the alignments are articulated, but most often the operating logic is optical.

On the divider pages, complementary texts alternate between contrasting treatments based on the designer's sensitivity to the qualities of the type in the format. The actual positioning of texts changes, but the same logic applies to each occurrence. Centralized insets play off full-spread bleeds. The structure of individual pages is wrapped up in contrasts of sequencing, scale and color change, cropping and bleed, matte and reflective.

structure

Architectonic
column grid
deconstruction

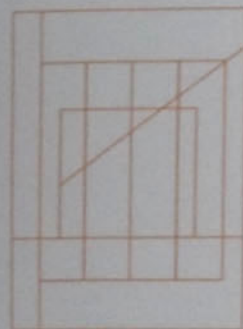


exhibit comparisons

04 05 07 09

11 22 29 33

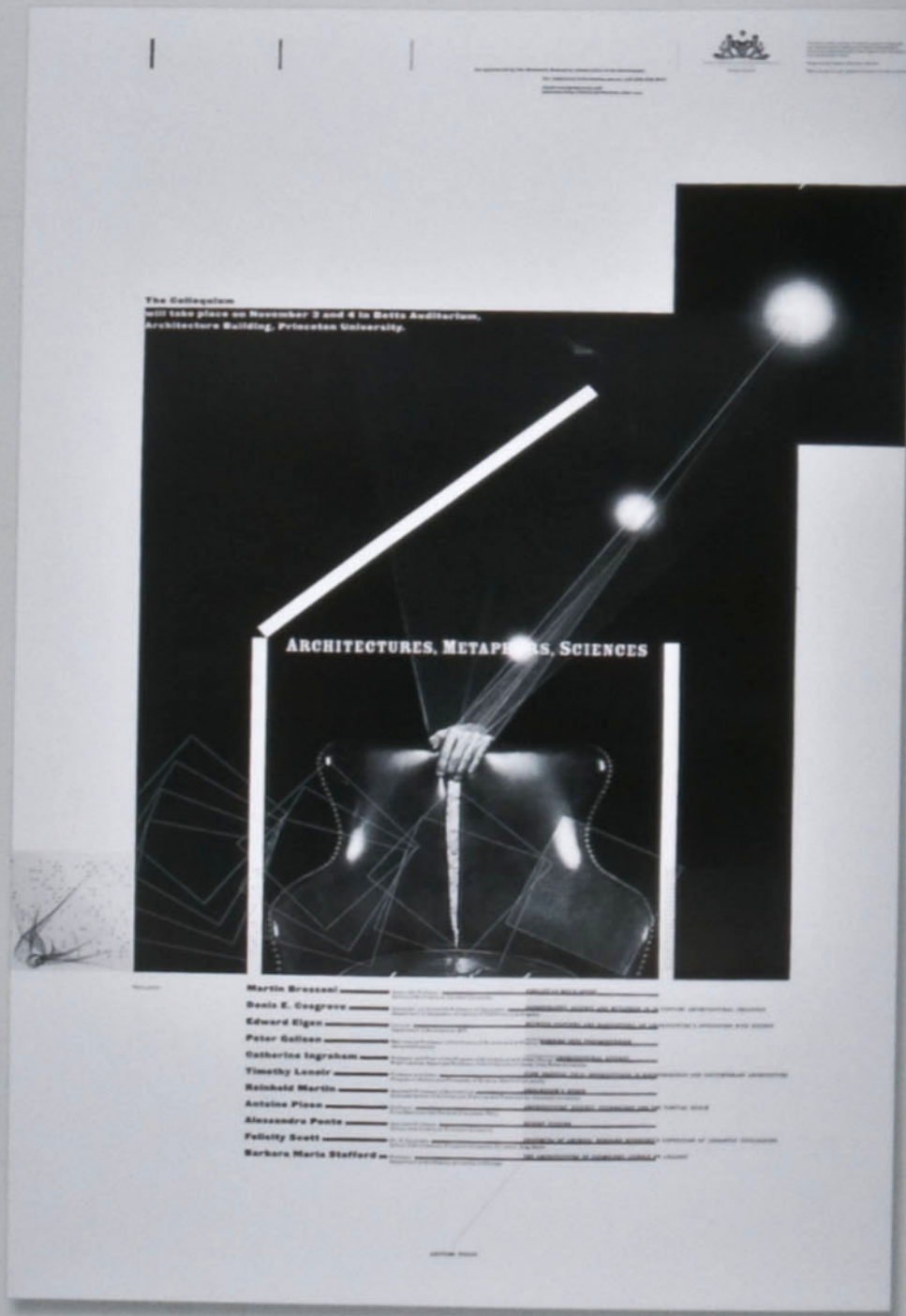
02 05 08 14

19 30

project
Lecture poster
Offset lithography

client
American Center
for Design
Arts institution
Chicago, IL

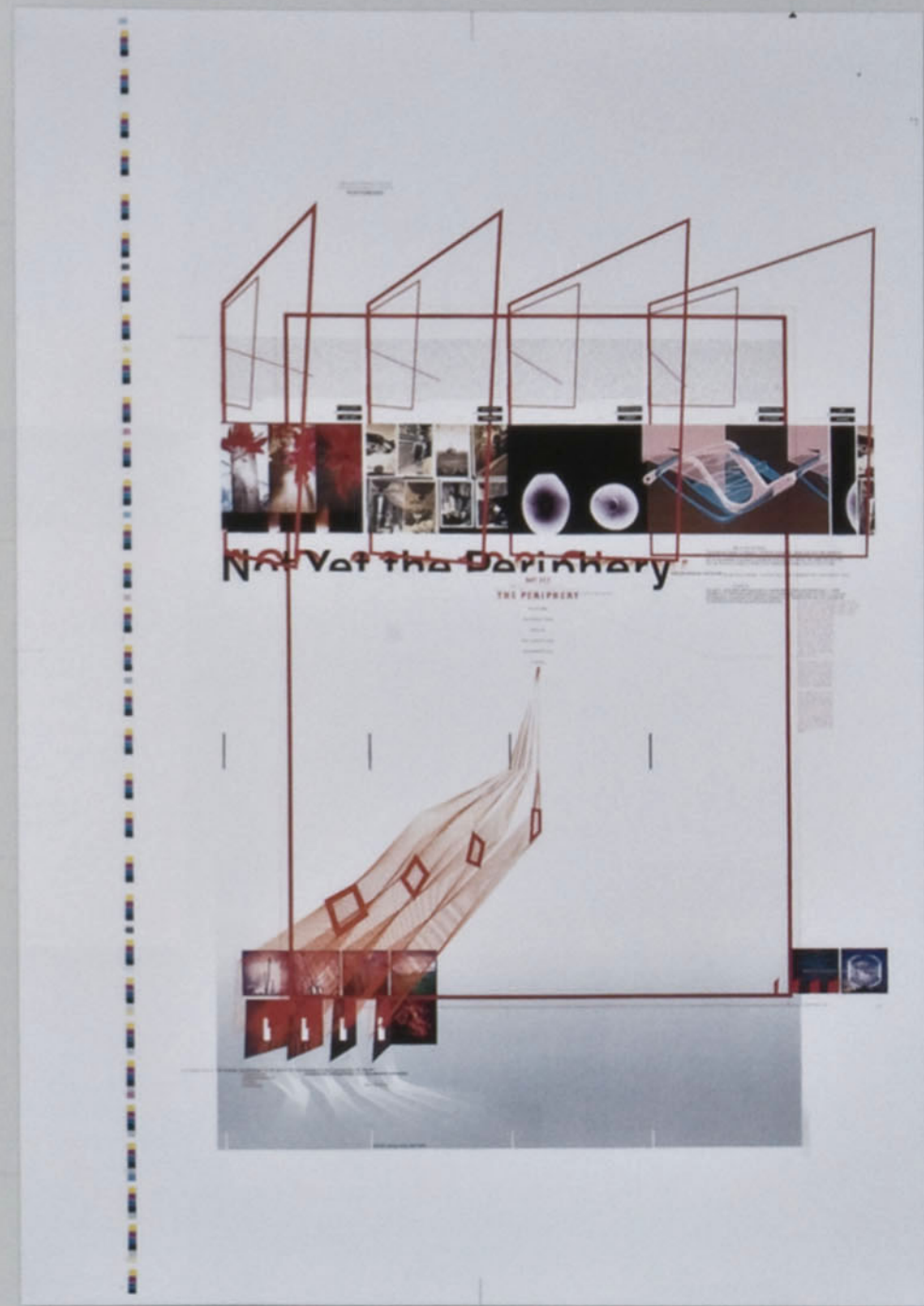
design
Bates Hori
Allen Hori
New York, NY



project
Lecture poster
Offset lithography

client
Princeton University
School of Architecture
Educational institution
Princeton, NJ

design
Bates Hori
Allen Hori
New York, NY



In two individual posters—one a call for entries to a design competition and the other a lecture-series announcement—the designer deploys a similar structure to organize the presented material. Both posters contain a centrally located rectangular area that acts as a grounding point. In the call for entries, that central area remains noticeably empty as information slides around its perimeter; in the lecture poster, the rectangular area houses the most important conceptual information and image. In each case, a predominantly centered axis hints at a formal, symmetrical system, but the symmetry is sidestepped by diagrammatic or planar elements. Remnants of column grids form informational sections in each poster, but are overlaid with linear elements, reduced to texture, or overlapped to create a more complex and detailed surface.

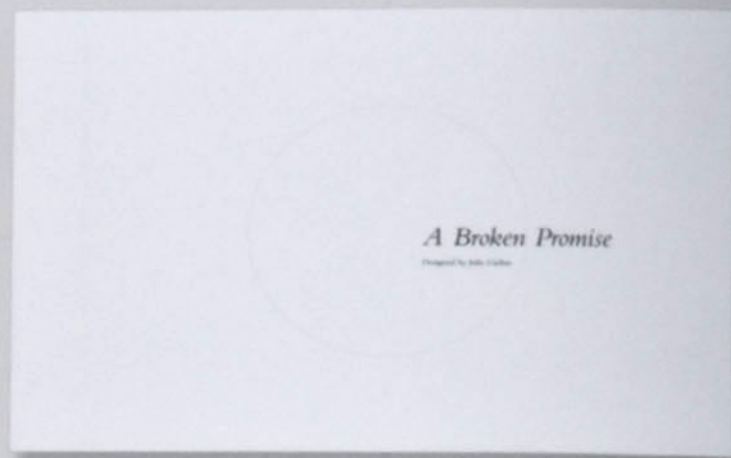


structure
**Nonorthogonal
 grid deconstruction**



exhibit comparisons

- 03 06 08 10
- 25 31 35
- 08 33

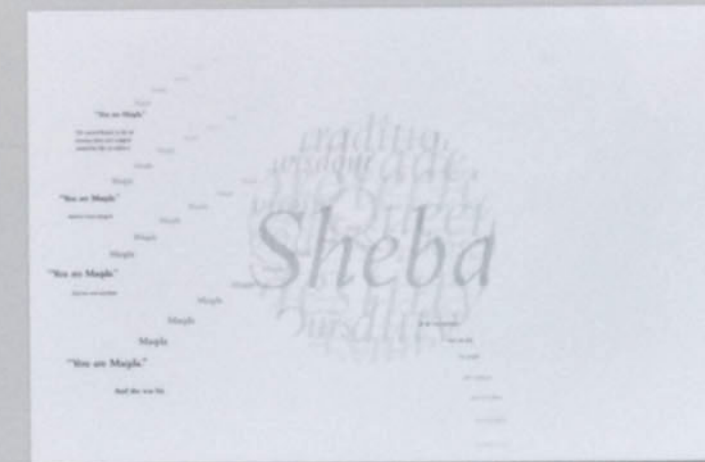
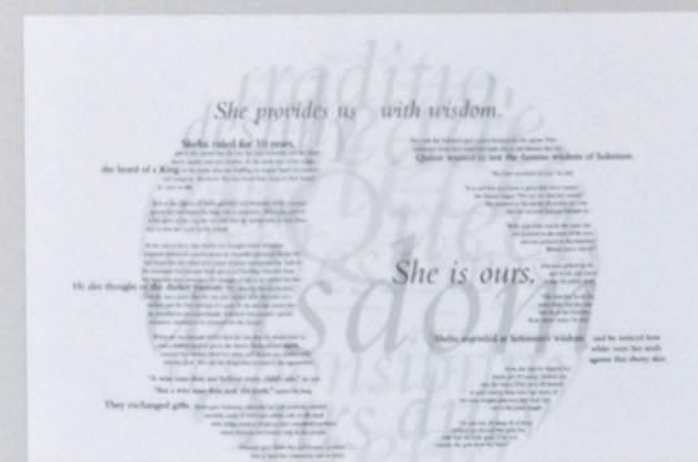
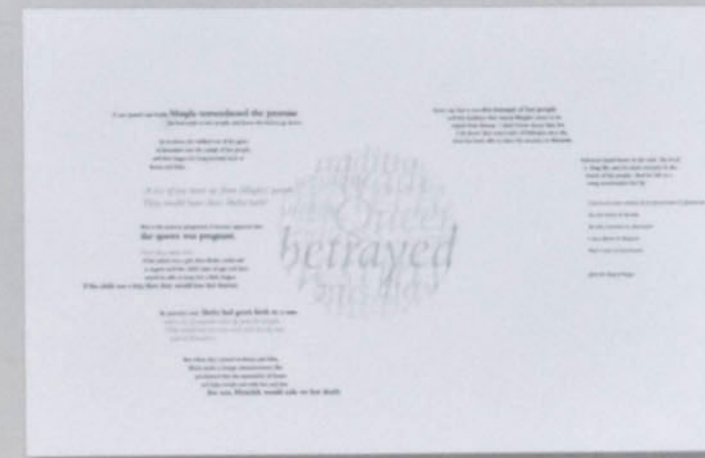
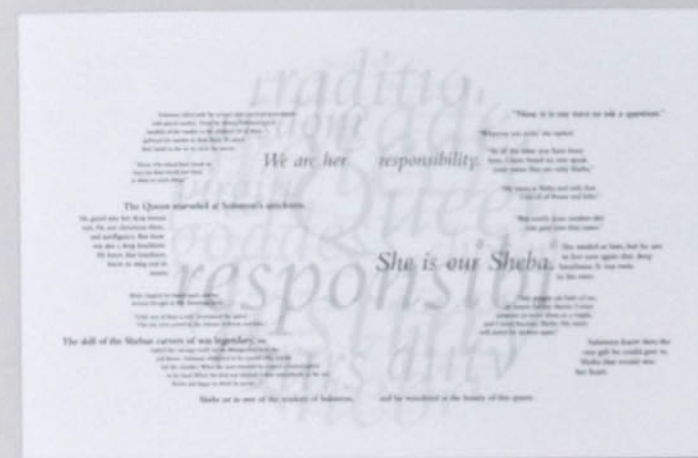
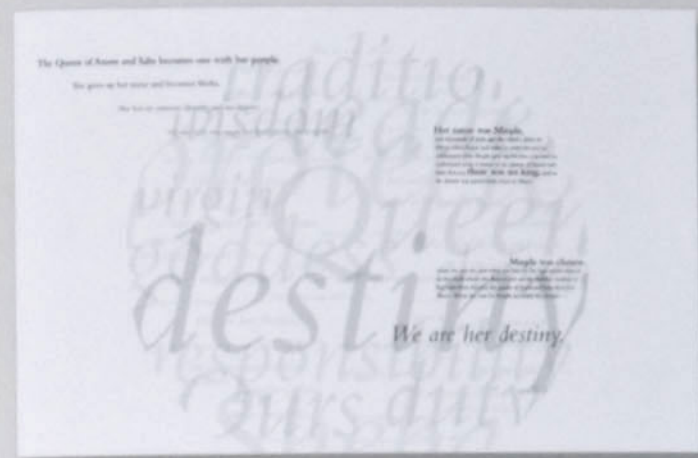


The visual representation of this spoken story is organized on a grid of concentric circles, rather than an orthogonal grid. The choice of the circle is conceptual, representing the cyclical aspect of life and the outward movement of the sound of a speaker's voice. The text moves around the outside of the primary circle that defines the spreads. As key phrases or words are delivered, they move into and through the circle, becoming augmented in size and motion. Subsequent text overlays previous text, giving continuity to the parts. The concentric rings of the grid create columns that are still visible, and which provide the same function as their conventional counterparts, separating thoughts and organizing passages into distinct parcels of information for accessibility.

project
A Broken Promise
 Visual essay
 Spiral-bound book
 Black-and-white laserprints

school
 Carnegie Mellon
 University
 Educational institution
 Pittsburgh, PA

design
 Julie Saunders Carlini
 Pittsburgh, PA
 Karen Kornblum Berntsen,
 Professor



structure
Spontaneous
geometric
composition

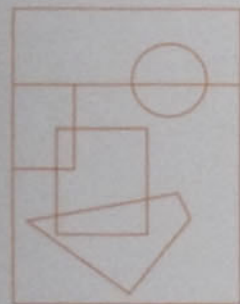
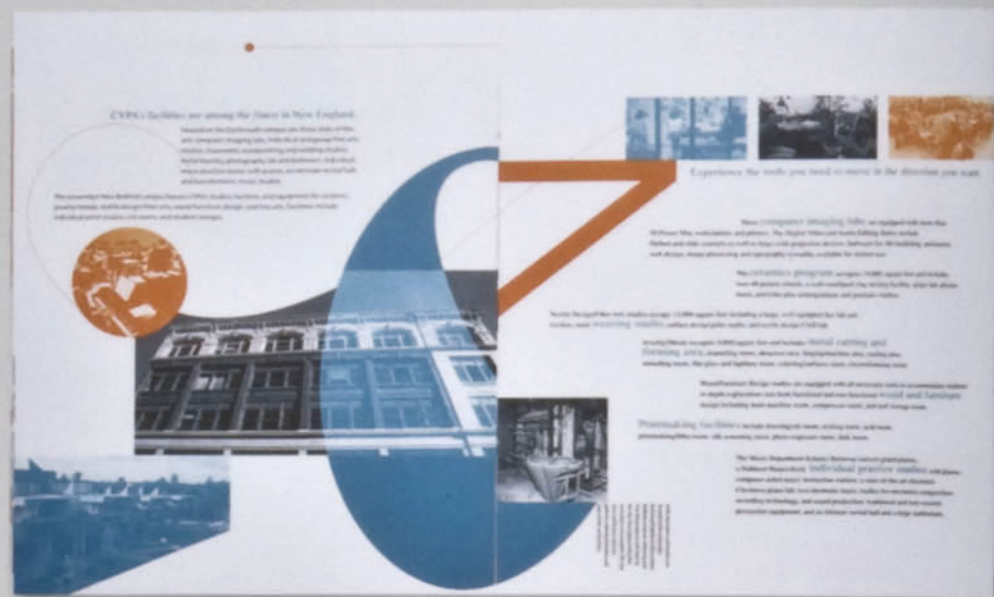
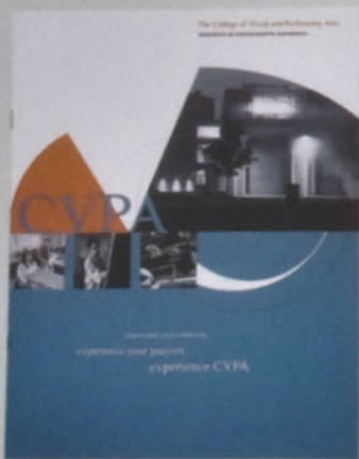


exhibit comparisons

- 03 04 08 10
- 11 14 16 17
- 20 24 28 30
- 33 34 36
- 06 10 16 30



project
CVPA
Course catalog
Saddle-stitched booklet
Offset lithography in
four spot colors

client
UMASS Dartmouth
College of
Visual & Performing Arts
Educational institution
Boston, MA

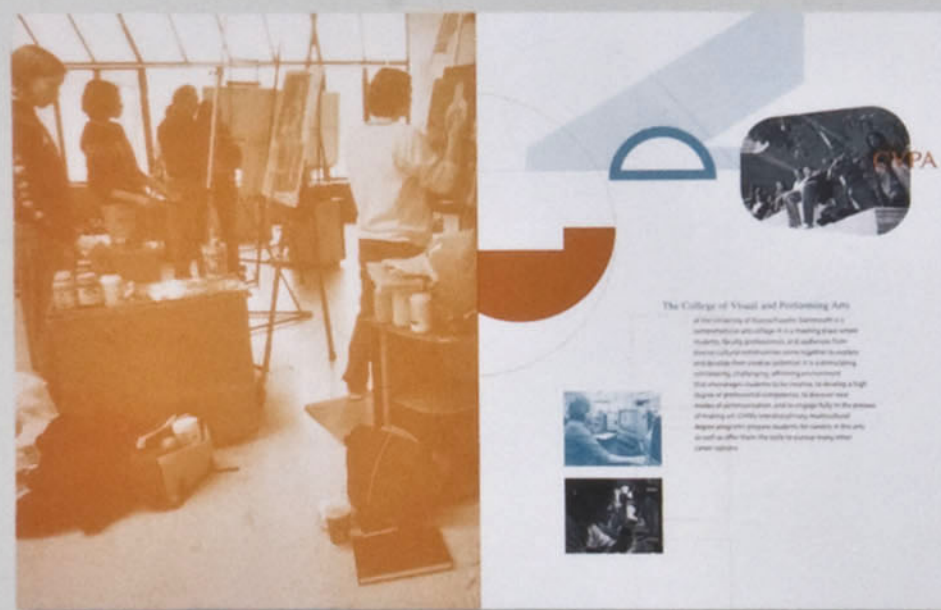
design
Stoltze Design
Clifford Stoltze [AD]
Tammy Dotson
Boston, MA

photography
Cecilia Hirsch
Boston, MA

Clean geometric abstraction—semicircles, arcs, lines, and dots—and a fresh, unstudied approach to the composition of elements govern the layout of information for this brochure. Dramatic negative spaces surround and interact with clustered forms and freely composed units of typographic information in a “dance” around the format.

The information is accessible, despite its playful structure, because each part of the information is decisively located. Individual thoughts or components of information are separated from each other so the eye can access them easily.

Dynamic variation in the scale, shape, and proximity of elements creates a natural movement across the spreads, keeping the reader interested and helping to link successive paragraphs or ideas in an intuitive and easy-to-follow manner. This organizational method can be very successful when the informational requirements of the project are not too demanding.



structure
Modular grid
deconstruction

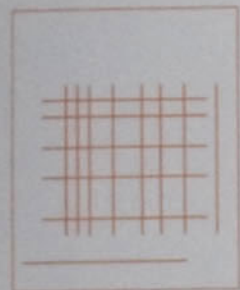


exhibit comparisons

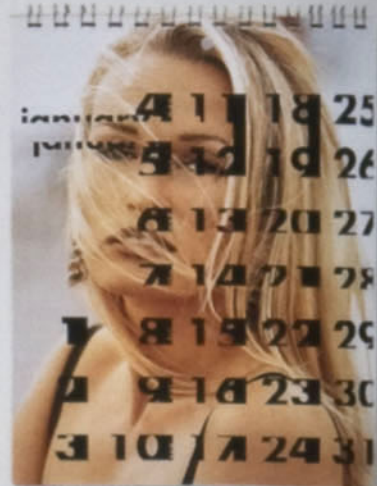
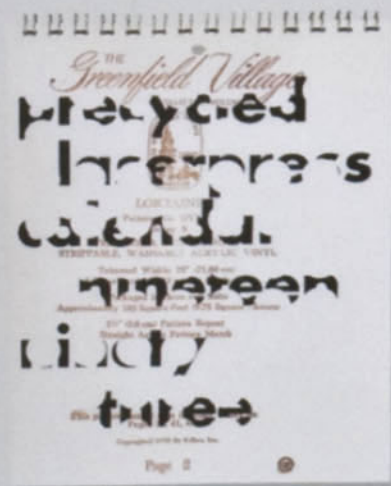
02 06 12 19

21 31

03 06 07 13

24 27 30

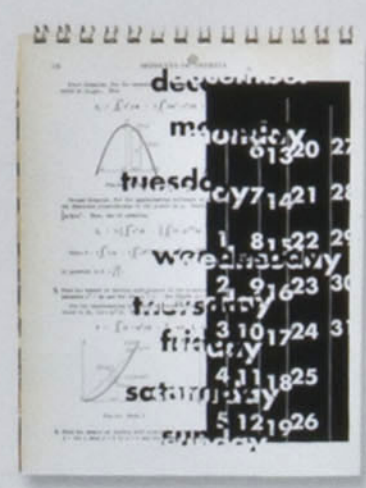
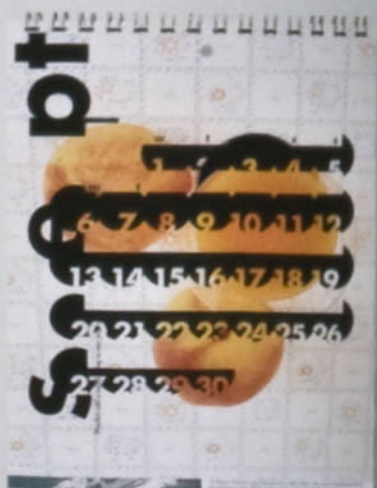
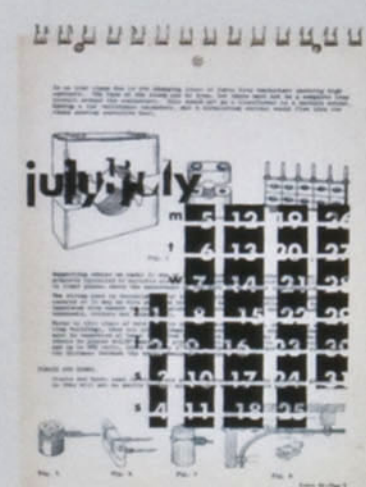
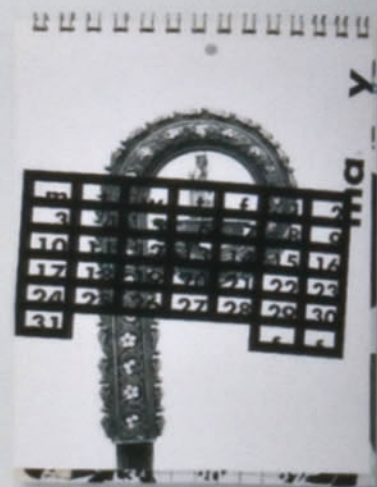
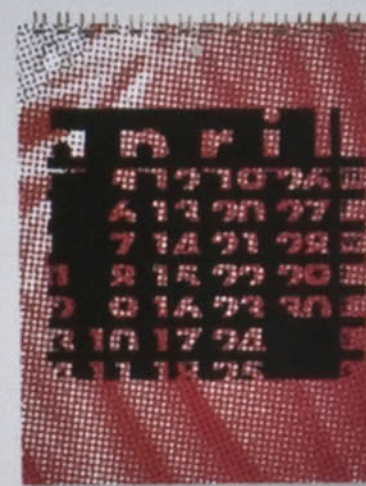
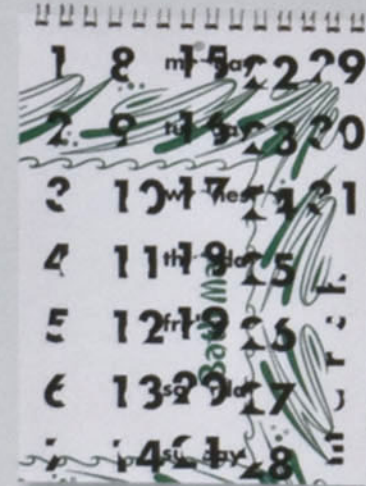
Addressing issues of construction, deconstruction, waste, and creation, this inventively produced calendar for a printing company prints its matrix on top of recycled printed matter. Each month's calendar matrix pushes and pulls at the underlying grid structure that displays the days and weeks. In some cases, the intervals between the modules in the matrix are compressed and expanded. A secondary logic, involving a superimposed grid of geometric elements, interacts with the typography, alternately building shapes around it or obscuring it under invisible forms. The individual months and their deconstructions gain added meaning in the context of the preexisting printed image underneath it.



project
Recycled calendar
Self promotion
Wire-O bound
Black-and-white laserprints
on offset-printed make-
ready sheets

client
Praxis
Graphic designers
Los Angeles, CA

design
Praxis
Simon Johnston
Los Angeles, CA



structure

Pictorial manuscript grid deconstruction

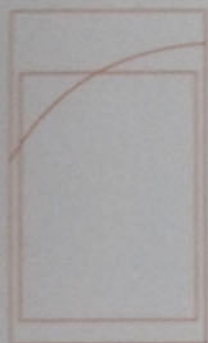
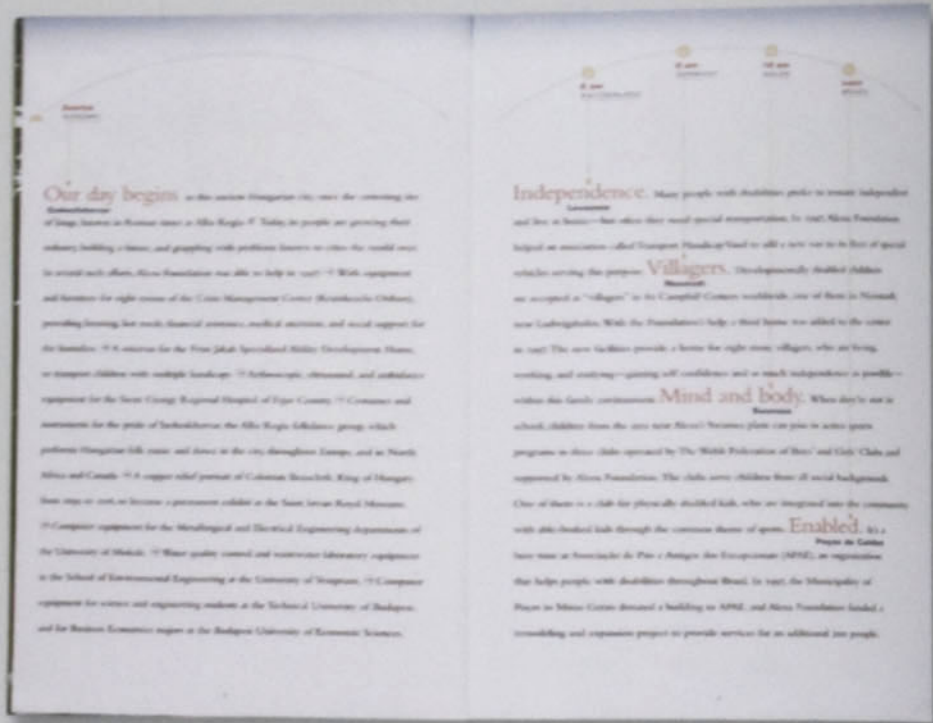


exhibit comparisons

01 13 19 33

37

01 15 21



project
Annual report
Perfect-bound book
Offset lithography

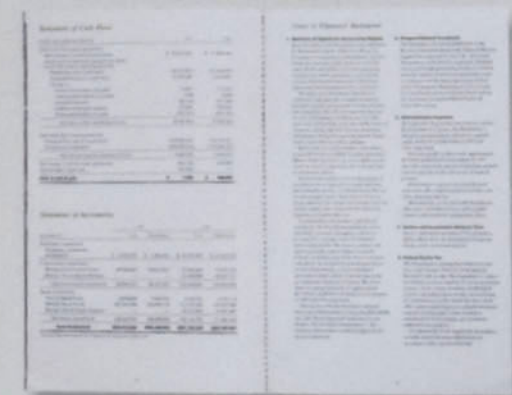
client
Alcoa Foundation
Corporate philanthropic
organization
Pittsburgh, PA

design
Landesberg Design
Associates
Rick Landesberg
Karen Kornblum Berntsen
Pittsburgh, PA



Although this elegant annual report uses a conventional column grid for its financial disclosures and management information, its front matter has almost no structure at all.

A single hangline that orients the running text is the only alignment present; the flush-left alignment at the left margin of the pages is so close to the edge of the format that the text almost appears to flow in from outside the book. This single horizontal flowline establishes a clear headspace at the top of the page into which some illustrative material is placed, but the organization of the pages is dependent on the rhythm of the running text. Occasional callouts of key words or phrases and a diagram of the sun traveling in the sky at particular times link the text conceptually to a sense of place and time on the Earth. The horizontal line establishes a sense of horizon, which is perhaps seen from the ocean—a design element referenced in the linear wave of text across the pages. On the image spreads that alternate with the text spreads, a simple visual relationship between the arc of the sun and a full-bleed image grounds the reader.



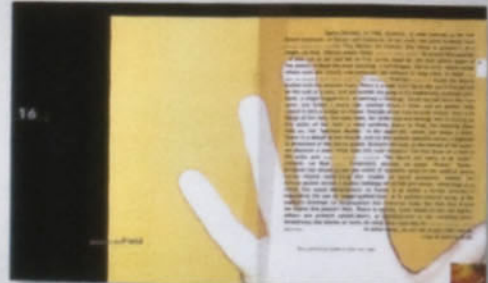
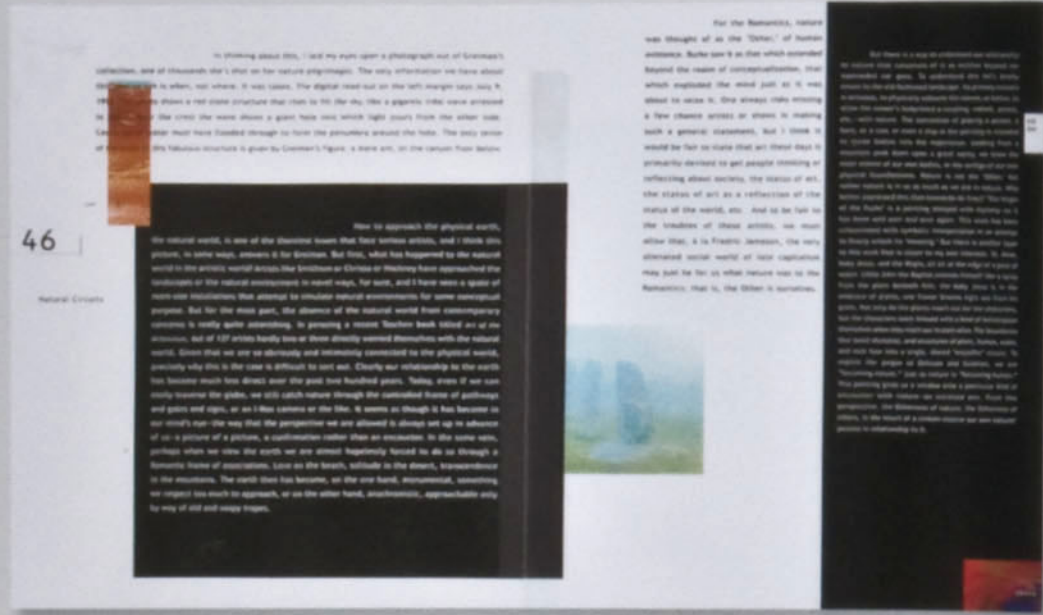
structure

Collage and filmic column grid deconstruction



exhibit comparisons

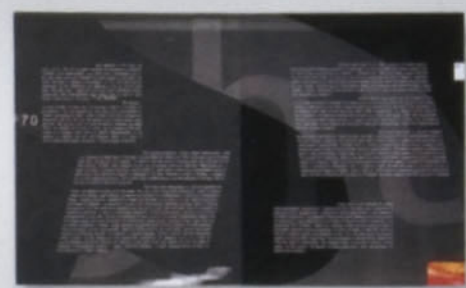
- 05 07 11 14
- 15 19 20 25
- 29 33 34 35
- 08 14 33 38



project
Something from Nothing
Design monograph
Case-bound book
Offset lithography

client
RotoVision Publishing
Publishers
East Sussex, England

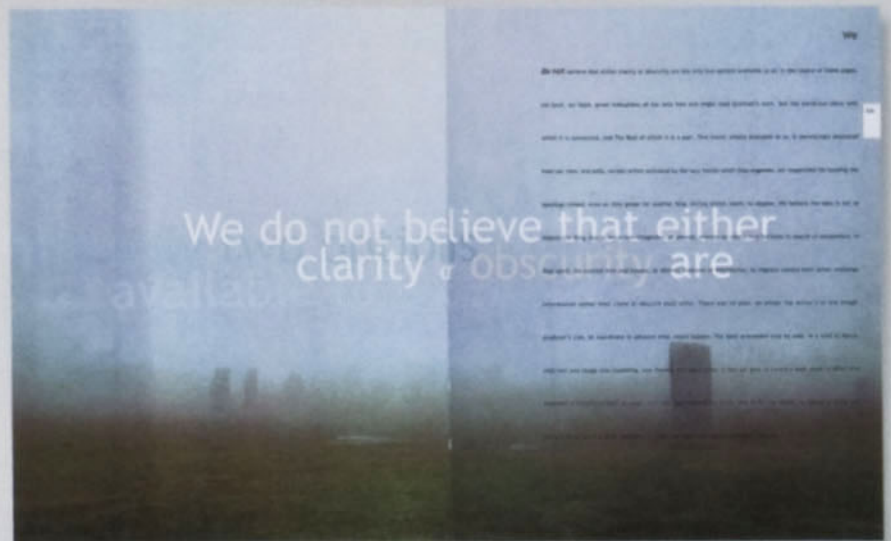
design
April Greiman
Los Angeles, CA



The organization of this book, both verbally and visually, is filmic in nature: each spread is a frame that refers to the one preceding it and sets up the next. A minimal set of constants—outer margin, page number, folio, and inset at the lower-right corner—holds a loosely defined column structure in place from page to page. The number of columns, their widths, and the size of type within them change as appropriate, in relation to the imagery on the page.

The relationships between images and typography are intuitive: the overall logic of the page spreads is visually off the cuff, an immediate response to the quantity of text, the predominant shapes in the background image, and how these meld to form a cohesive composition.

Spreads are set up as sequences of interconnected visual ideas. The negative space in an image on a given spread may yield to a similarly shaped positive image on the next; an inset or background image in the spread following that may be enlarged to a full-bleed image that crosses over onto a subsequent spread. Continuity is created through rhythmic, spatial interconnection between pages.



structure

Spontaneous geometric composition

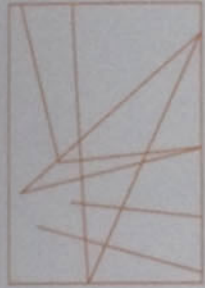


exhibit comparisons

03 04 08 10

11 14 16 18

20 23 24 31

32 33 34

06 08 10 28

30

Intersecting diagonals and sharp angular movements, derived from the juxtaposition of photographic and typographic line elements, create a dynamic organization for the imagery and information in this poster. The designer uses the vertical diagonal of the crane arm and the sudden angle of the overhead street lamp to both disorient the viewer and provide a primary superstructure for the poster. The typography moves upward and outward, with positions for each line determined in part by the superstructure. At the same time, the designer counters the tumult with subtle alignments and focal points: The airplane at lower left anchors the composition and creates an optical alignment between lines of information that echo the direction of the superstructure.



project
LIFT
Promotional poster
Offset lithography

client
LIFT
London International
Festival of Theatre
London, England

design
Frost Design
Vincent Frost
Sonya Dyokava
London, England

photography
Nick Higgins
London, England



structure

Systematic collage
column grid
deconstruction

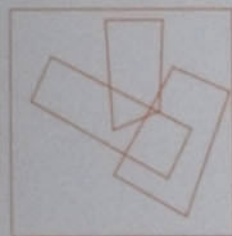


exhibit comparisons

- 03 05 06 07
- 09 13 15 16
- 25 28 31 33
- 36 37
- 02 05 08 14
- 18 26 28 33



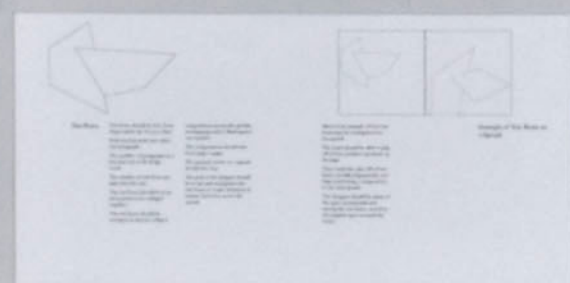
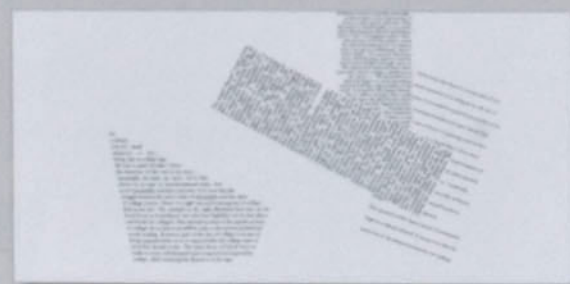
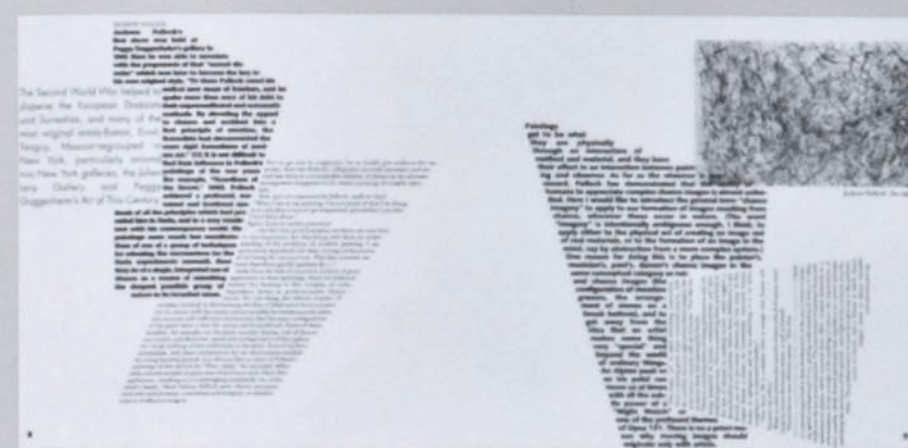
Organized around the principle of collage, this inventive design journal walks a middle ground between apparent chaos and order. Careful study of cut-paper shapes and their overlaps led to the development of a system for laying out paragraphs of text. A comprehensive design manual provides guidelines for creating the shapes of the text boxes. Reading order depends on a number of variables: the relative position of the collage shapes, the size and orientation of the text within those shapes, and the density of the text on the page. By varying these parameters, the designer is able to control flow through the paragraphs when needed.

The system allows for a great deal of control and a great deal of potential for discovering new organizational methods for text and image.

project
Cut & Paste
Design Journal
Black-and-white laserprints
Spiral binding

school
Rhode Island School of
Design
Providence, RI

design
Andrea Vazquez
Tom Ockerse, instructor



structure

Compound modular/
column grid integrated
with collage

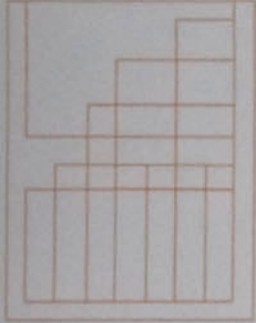
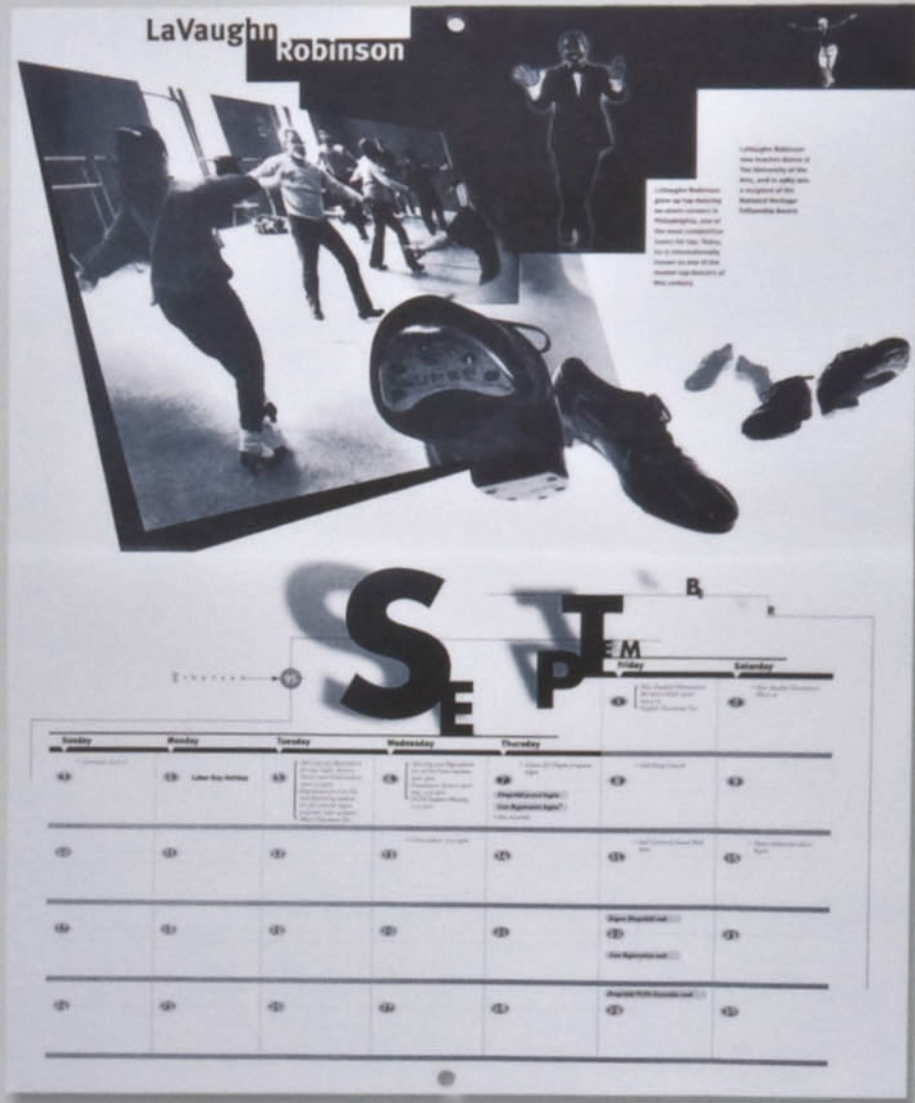


exhibit comparisons

- 03 05 06 07
- 09 13 15 23
- 25 30 33
- 02 05 07 08
- 10 14 17 22
- 28 31



project
Academic calendar and
student handbook
Saddle-stitched book
Offset lithography

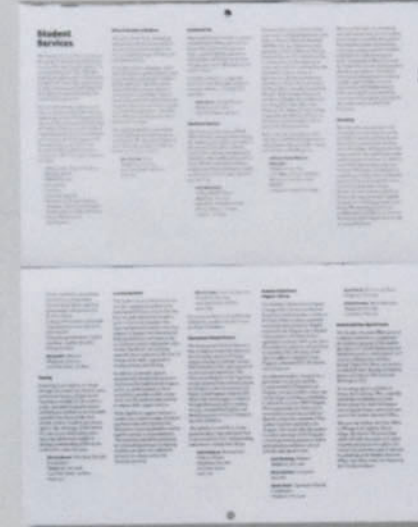
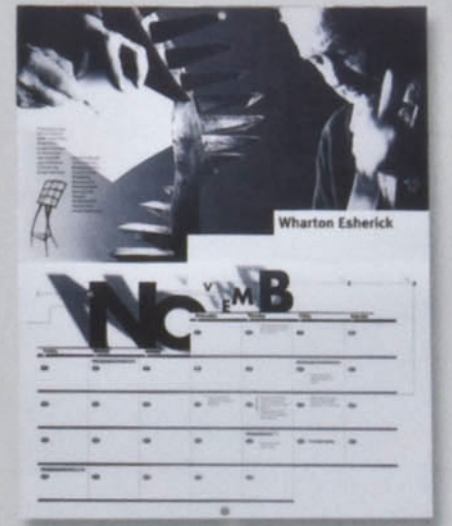
client
University of the Arts
Educational Institution
Philadelphia, PA

design
Mayer + Myers Design
Nancy Mayer (AD)
Kim Mollo
George Plesko
Greg Simmons
Alexandra Well
Philadelphia, PA

The calendar and student handbook for this art school wrap a conventionally grid-based calendar and column structure with a free-form collage of elements in the calendar pages.

The column-structure of the informational sections is made clear in the table of contents, but the loose, nongrid composition of the months is hinted at in the content's title area at the top of the spread. The contents listing and corollary information jump up and down off the five columns below, and alignments within that area begin to slip horizontally as well.

For each month of the academic year, a famous local artist is featured in a multilayered collage of type, image, and geometric stepping that integrates this free composition with the calendar grid below. Captions within the collage follow a standard stylistic treatment in terms of font selection, size, and left-flush alignment, but their placement is part of the collage logic surrounding it. The name of each respective month is set in a bold, dimensional construction that provides a visual transition between the collage and the modular grid. The handbook section returns to a regular five-column grid.



structure

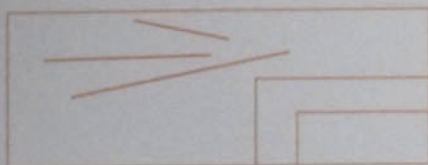
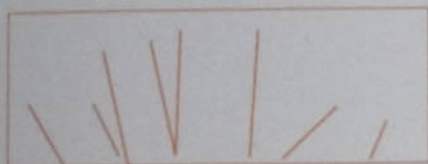
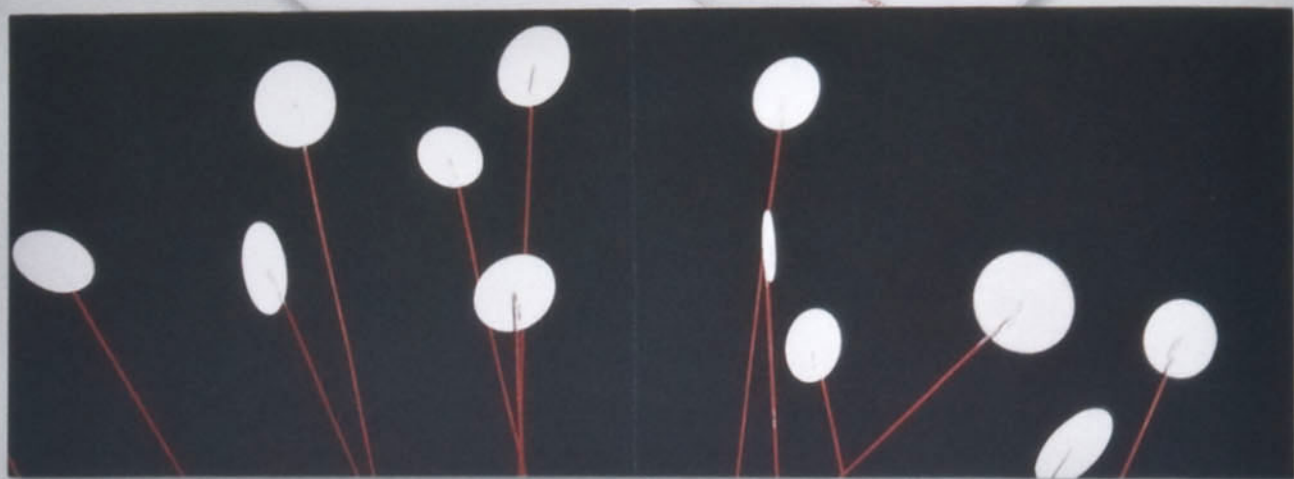
Geometric pictorial
allusion

exhibit comparisons

03 10 12 24

25 28 33 34

06 12 27 30

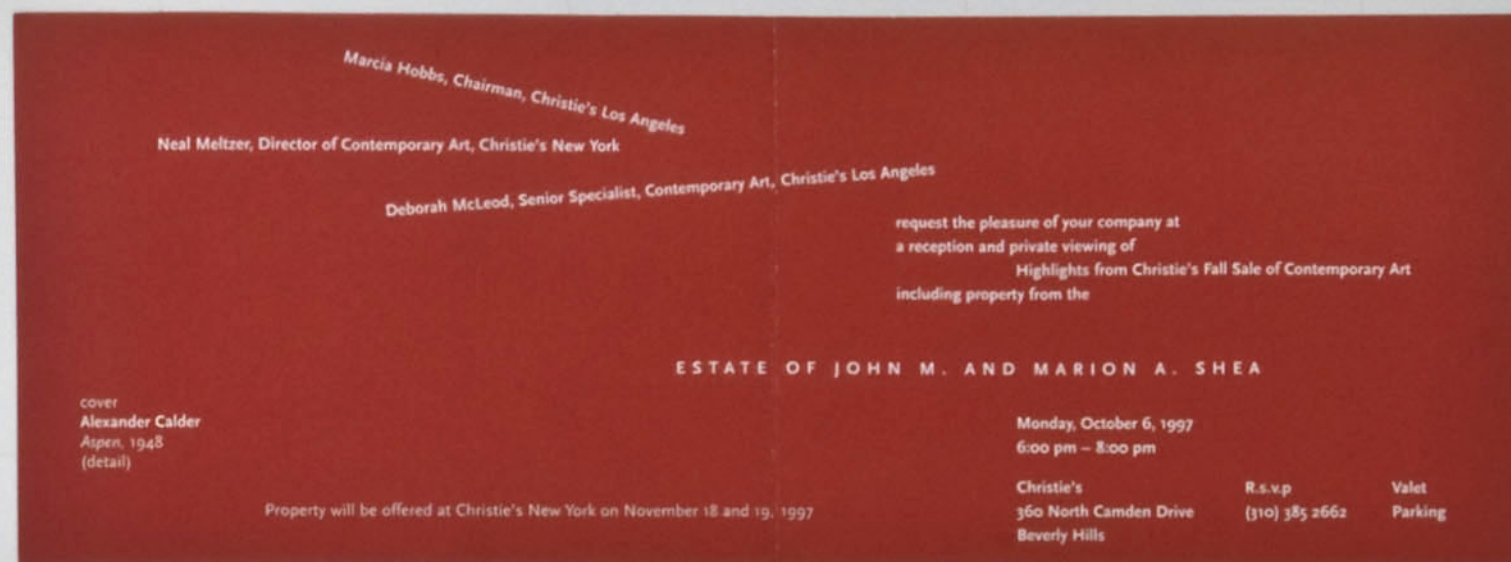


project
Invitation
Auction preview reception
Offset lithography

client
Christie's Auction House
Auctioneers of art and
fine estates
New York, NY

design
Christie's Creative
Services
Lynn Fylak
New York, NY

photography
Christie's Creative
Services
New York, NY



The typographic handling of this invitation's interior is based on the art selected for reproduction on its cover—a mobile by Alexander Calder that is a highlight of the reception being announced by the card.

The simple geometry of the mobile is further reduced to planar abstraction in the way it is cropped on the invitation's cover; the type inside plays off its diagonals, against a red dictated by the mobile's painted struts. The uppermost lines of type teeter whimsically over the precariously balanced text below it in a clear reference to Calder's mobile construction.

structure
Spontaneous
architectonic
composition

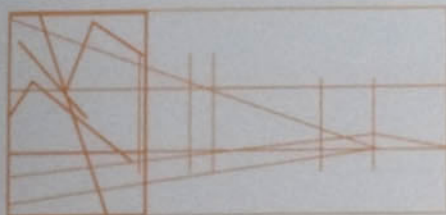


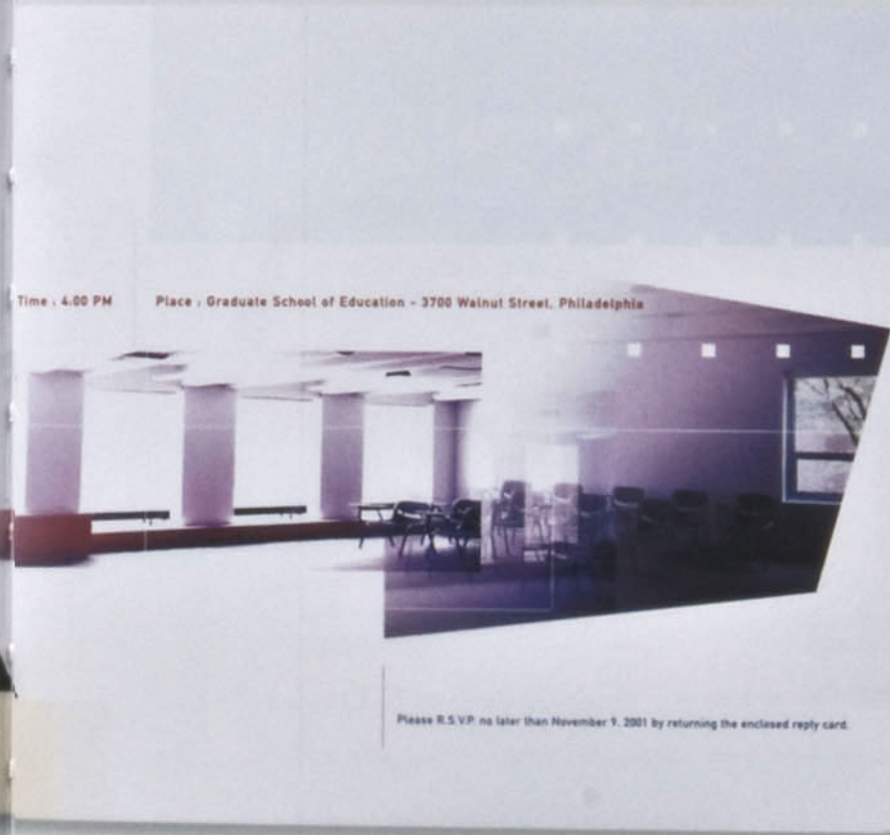
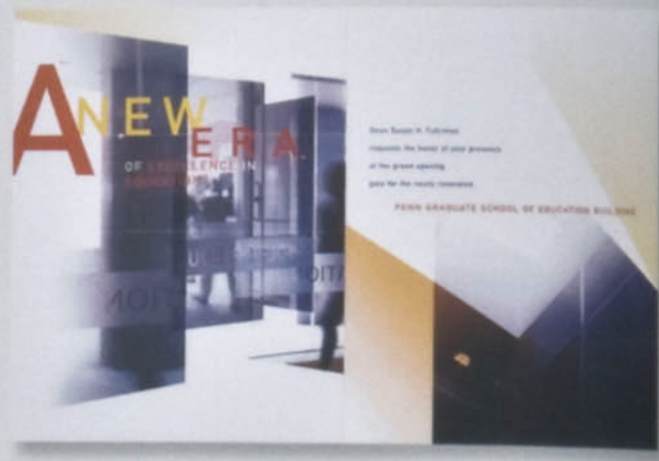
exhibit comparisons

03 05 09 11

25 28 30 32

34

10 30 35



project
A New Era of Excellence
Event invitation
Offset lithography

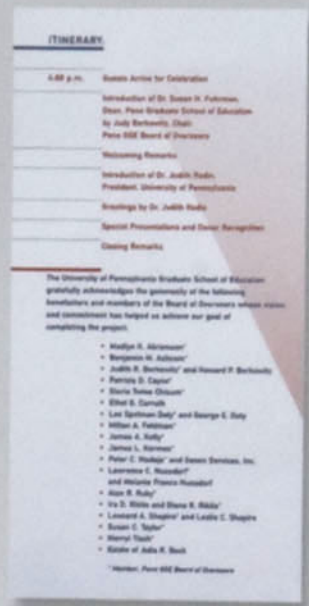
client
University of
Pennsylvania Graduate
School of Education
Educational institution
Philadelphia, PA

design
Paone Design Associates
Gregory Paone
Philadelphia, PA

photography
Trevor Dixon
Philadelphia, PA

The invitation for an event celebrating a renovated university building uses a montage of the building's architecture as a main compositional influence.

The type is subservient to the formal dynamism of the building's angular construction and its organization on the page. Intersecting translucent planes overlay similarly luminous architectural elements in a shifting temporal space; the typography takes some cues from the architecture (most notably on the cover) but remains spare, condensing down to a single line that travels succinctly across the interior. The event program reiterates the main compositional idea on its front side but defers to an ordered column structure on the reverse.



structure

Spontaneous
architectonic
composition

exhibit comparisons

03 09 10 11

15 23 25 30

32 33 36

10 30 35



Each surface of this poster/flyer advertising a building redevelopment in London is organized around a hard-edged composition of the building's architectural elements.

project
Promotional poster
Offset lithography

client
Old Truman Brewery
Offices and event location
development
London, England

design
Insect
Paul Humphrey
Luke Davies
London, England



Typography is integrated along the various diagonal and horizontal axes defined by the compositions.

In particular, the front side of the poster is extremely dynamic, with promotional, as well as strictly informational, typography running across angular cuts in multiple perspectives. A conceptual horizon line orients the reader to a sense of three-dimensional space. The reverse presents similar architectonic constructions, but the type settles down into a more conventional column structure.

structure

Relational-scale information architecture

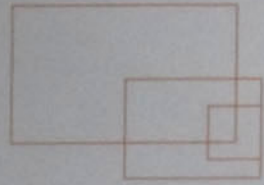
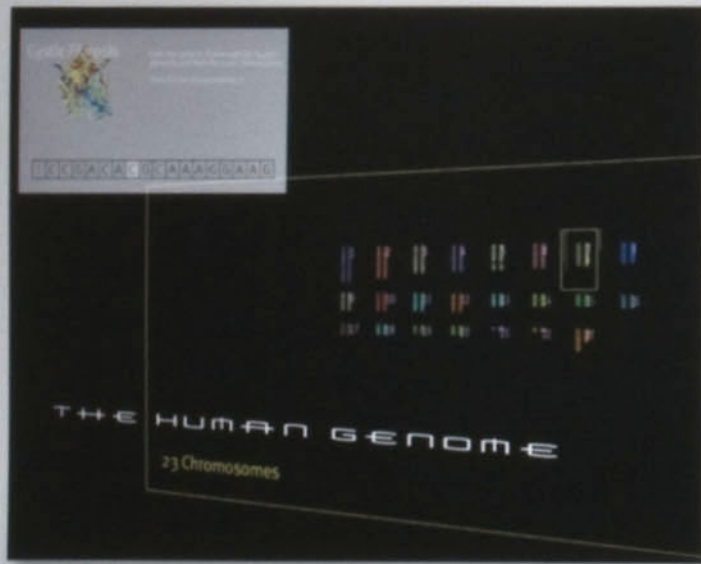
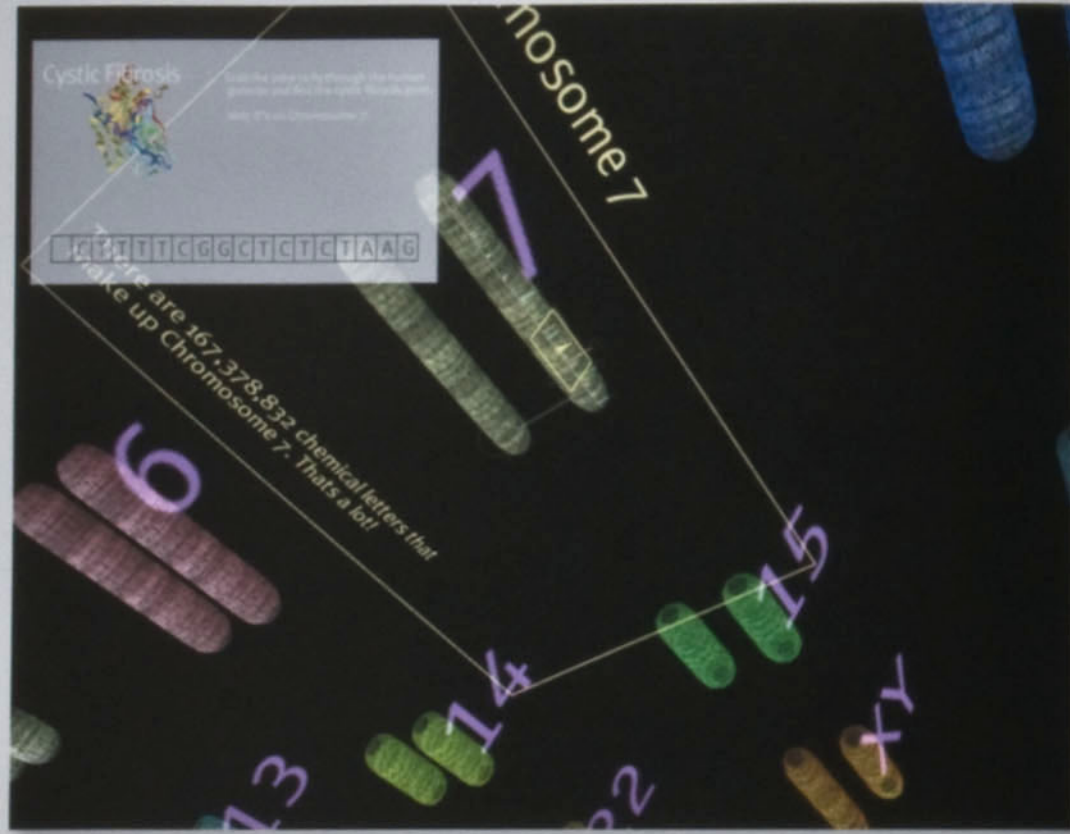


exhibit comparisons

07 08 11 17

28

07 25 33 38

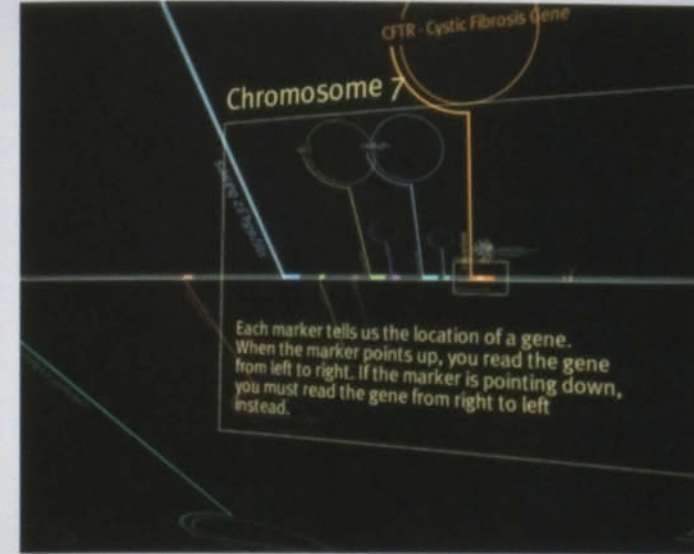


By communicating extremely complex information in an intuitive way, this dynamically spatial interface for a computer-generated map of the human genome organizes information in virtual space based on the natural shapes of the biological material. Instead of imposing a modular structure to contain the information, the designer uses the existing genetic architecture as the information structure. Viewers are able to move into, through, and around the components of genetic material.

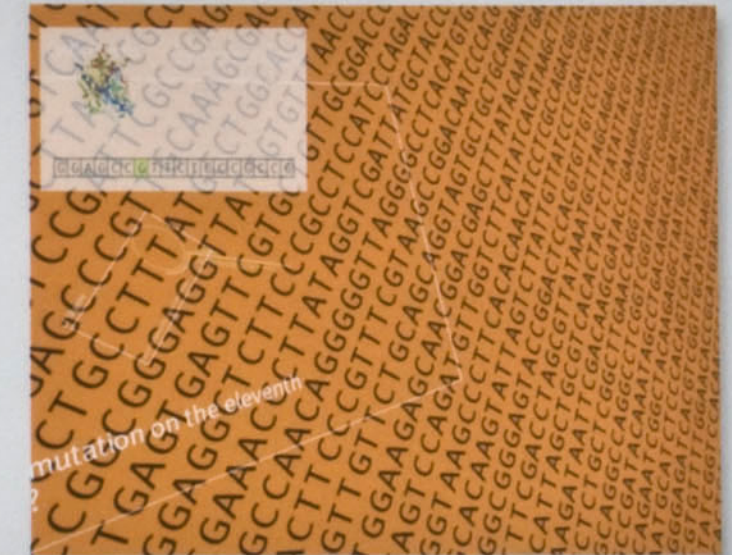
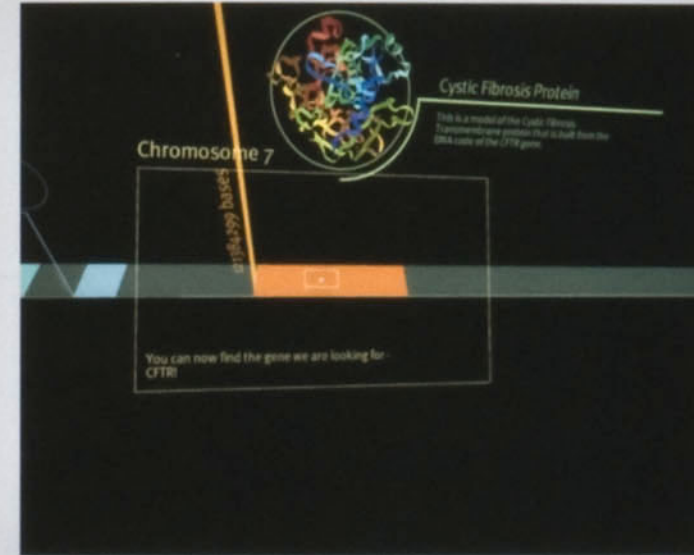
project
Human Genome
Interactive
User interface
©2001
Small Design Firm, Inc.

client
Museum of Science and
Industry
Educational museum
Chicago, IL

design
Small Design Firm
David Small
Cambridge, MA



From an exterior specimen view of the chromosomes, laid out into rows, the user can intuitively point to the chromosome they'd like explore, and in doing so, fly into it for closer inspection. Within this enlarged view, the user can choose from additional components that have become visible. Their position is relative to the superstructure, of which they are a part. Diagrammatic information and text are positioned in relation to the structures they describe.



At the upper left of the screen, a navigational box shows relative position within the structure and highlights information relevant to that location.

structure

Diagram, collage, and compound column-grid deconstructions

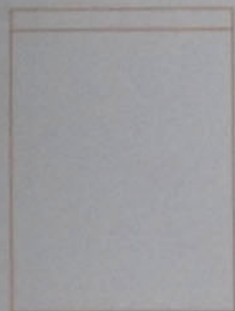


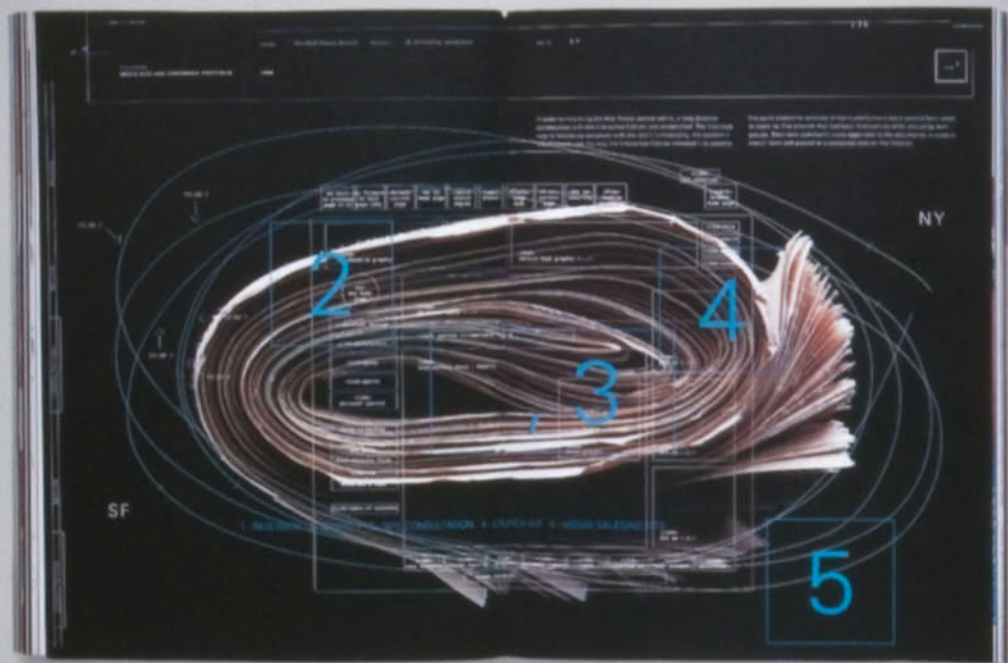
exhibit comparisons

01 07 28 33

35

02 05 23 31

34 35 38



This complex overview of a design studio's work process and personality defies the conventional catalog structure that one might normally use to organize a vast amount of exhibited material. Instead of a repetitive structure that accommodates all different kinds of presentation, the designers change the presentation structure depending on a number of variables: the nature of the project being exhibited, the components being shown on a given spread, and the creative process that the designers want to highlight. Each project, therefore, is given a completely individual context and energy, and this is appropriate to the conceptual approach that the design firm is trying to make clear.

An important part of the organizational method, however, is the integration of graphic elements, process diagrams and type related to the actual project in a section. These devices surround, overlay, and tie together individual images of each project as the designer intuits: sometimes portions of the client brief and diagrams are used to show thinking, sometimes complex images are given more white space to compensate for complexity, and sometimes more simple images are joined with relevant linear or textural elements. All projects share a set of navigational devices at the top of the spread that indicates the project name and number, the client, and the project type.



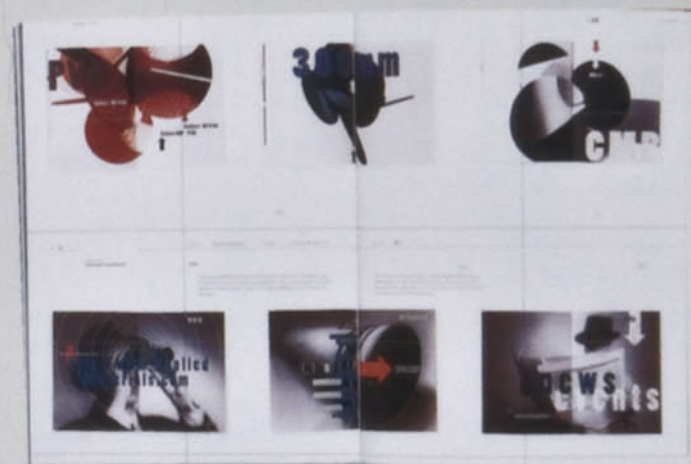
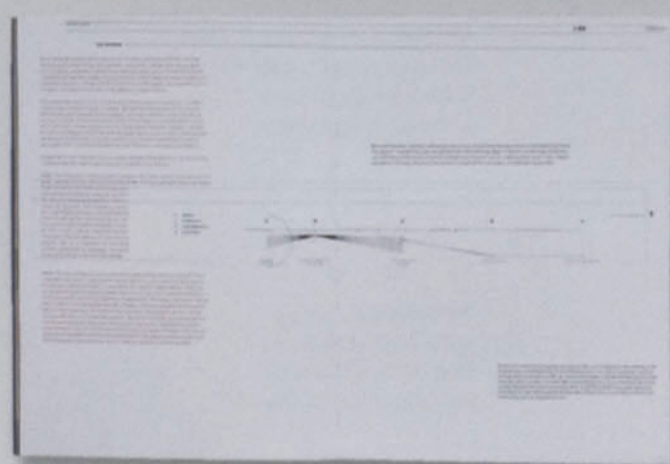
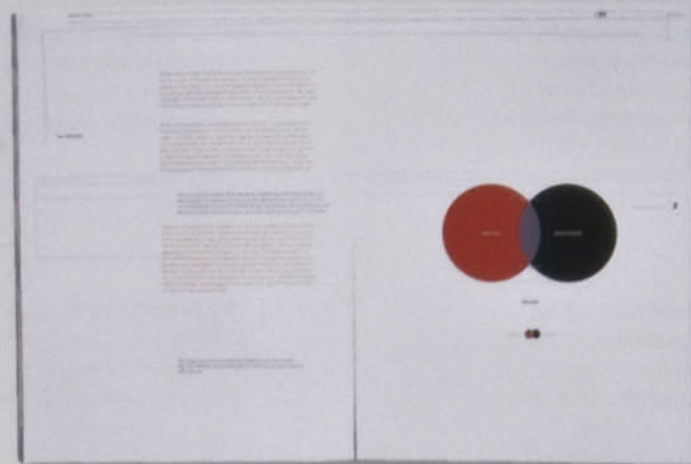
project
Soak Wash Rinse Spin
Design monograph
Paperback bound in
plastic jacket
Offset lithography

client
Tolleson Design
San Francisco, CA

Princeton Architectural
Press
Princeton, NJ

design
Tolleson Design
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San Francisco, CA

photography
Tony Stromberg
San Francisco, CA



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His second book, *The Typography Workbook*, will be available from Rockport in 2004.

For designers working in every medium, layout is arguably the most basic, and the most important, element. Effective layout is essential to communication and enables the end user to not only be drawn in with an innovative design but to digest information easily. Just as arguable is the importance of pushing boundaries and breaking rules, and the urge among designers to violate rational structures has sparked a continuing debate for more than fifty years. Often this inclination is at the expense of clarity, but intuitive compositional approaches have generated some of the most interesting and exciting graphic design ever created.

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When are they appropriate?
Why are they at all?

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