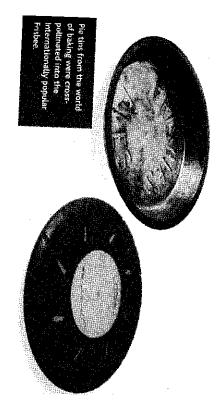
to find something that you have never seen before. the woods. Every time you do so, you will be certain Leave the beaten track occasionally and dive into

—ALEXANDER GRAHAM BELL

here's magic in cross-pollination—and in the people who

metal pie tins, tossed by Ivy League college students a century ago. ubiquitous flying toy was adapted from the Frisbie Baking Company's players don't know that the basic shape and even the name of that that has since grown into a billion-dollar industry. And most Frisbee an escalator began life as a primitive Coney Island amusement ride for weaving complex fabric patterns on a silk loom. The concept of arguably even the digital computer itself-from a punch-card system House. Computer pioneers got the idea for IBM punch cards-and cept to elegant structures from Fallingwater to the Sydney Opera way systems, while architects extended the gardener's utilitarian conengineers wholeheartedly adopted it to create colossal dams and highated by a French gardener trying to strengthen flowerpots, but civil ness world, which of course evolved step by step into the electronic keyboards we all use today. And reinforced concrete was originally creit was a Cross-Pollinator who transplanted the idea of a piano keyboard or industry, then translating it successfully to another. For example, from the musical world to create early manual typewriters in the busi-They often innovate by discovering a clever solution in one context unexpected juxtaposition of seemingly unrelated ideas or concepts. Cross-pollinators can create something new and better through the



created a frozen-food empire that still bears his name from a native outdoor culture to his modern indoor world, Birdseye stayed fresh for many months. Cross-pollinating that simple technique Inuit guides laying out fish to freeze in the cold outdoors, where it ple, was on a Canadian fur-trading trip in 1915 when he noticed his tunities throughout history. Food pioneer Clarence Birdseye, for exam-Curiosity and an open mind have sparked cross-pollination oppor-

diverse talents into a prolific and remarkable legacy. architect, engineer, mathematician, and philosopher—who blended his the quintessential "Renaissance man," was Leonardo da Vinci—painter, history of innovation, one of the greatest Cross-Pollinators, and perhaps are adapted to lighten and strengthen cutting-edge bicycles. And in the as high-performance aerospace materials like titanium and carbon fiber between cycling and aviation routinely flows in the opposite direction, aircraft. Now, more than a hundred years later, cross-pollination nisms from the emerging bicycle industry to build their first powered Orville and Wilbur Wright cross-pollinated materials and mecha-

vivid insights everyone can understand. They're the traveler who ber who translates arcane technical jargon from the research lab into Pollinator mode if you know what to look for. They're the project mem-In the corporate world, you can usually spot people in Cross-

of view by combining multiple strengths and interests. Pollinators have eclectic backgrounds and develop a distinctive point note-takers, capturing insights in notebooks or electronic form. Crossthe amount they can retain and pass on to others. They're dedicated essary to take an idea from one business challenge and apply it in a selves and the team abreast of popular trends and topics. Well rounded, just what they saw but also what they learned. They're the voracious they usually sport multiple interests that lend them the experience necreader devouring books, magazines, and online sources to keep themranges far and wide for business and pleasure, returning to share not fresh context. They often write down their insights in order to increase

# **Cross-Pollinating Inside and Out**

the share price, which has doubled in recent years. at P&G not only on the shelves of your local supermarket but also on across organizational lines. You can see the effect of Cross-Pollinators or still in the works—that nimbly combine technologies and insights AutoDry. There are dozens of other examples—already on the market detergent to create a "spotless" car-washing system called Mr. Clean PUR division with anti-spotting know-how from Cascade dishwasher per year. They combined experience in water purification from their Whitestrips for their Oral Care unit—now grossing over \$200 million dry business with their deep expertise in oral hygiene to create Crest they combined a knowledge of safe whitening agents from the launamong previously siloed groups around the company. For example, toothbrush), but they also have gotten better at cross-pollinating ideas have they built on clever ideas imported from outside the organization across organizational lines and "blasting through the silos," though (from the now-ubiquitous Swiffer duster to the playful Spinbrush Pollinators on their team since the arrival of CEO A. G. Lafley. Not only giant Procter & Gamble seems to have recently reenergized the Crossin practice many of them have trouble doing so. Consumer products Most companies I spend time with talk about cross-pollinating

Cross-Pollinators stir up new ideas by exploring worlds that may

wheelchairs and gurneys based on insights picked up on a visit to a lined the way it transported patients around their large campus in insight sparked the idea of replacing individual cleaners in the hospiwell-run taxicab dispatch office. tal with highly efficient small teams. Similarly, another hospital streamsolo cleaners and were able to cross-check each other's work. That in two-person teams to clean guest rooms had more fun on the job than optimize usage of their 600 hospital beds, we took our clients to a tiny New England bed-and-breakfast, where we found that maids working loved one into a beautiful diamond. On a project to help a hospital tom coffins on giant projection screens to transforming the ashes of a industry—everything from giving the bereaved a view of virtual cushow much innovation was sweeping this (excuse the pun) moribund ing undertaker. The client was stunned and ultimately inspired to see leave much room for innovation, so we took them to visit an enterprisinstance, held the belief that their tradition-bound industry didn't analogous operations far outside their own domain. One client, for ings with them. He takes companies on field trips to visit and observe directions for our clients by deliberately staging cross-pollination outat first glance seem to have little relevance to the problem at hand Peter Coughlan and our Transformation team often spark new service

## Seeds of Cross-Pollination

of services, experiences, and even cultures. We've strived to nurture the key elements that encourage the flowering of cross-pollination. I the Cross-Pollinator role from the very beginning, trying to assemble efficient shift change. But over time, we learned to apply our "design day we would be working on "intangibles" like improving Kraft's supcluttered with machine tools, physical prototypes, and other artifacts thinking" approach from product-innovation programs to the world ply chain or helping nurses at Kaiser Permanente execute a more of a product-based business. I never would have imagined that somejoined the fledgling IDEO some twenty years ago, our workspace was The history of IDEO is itself a story of cross-pollination. When I

that wants to bump up its level of cross-pollination and is willing to now. And all of them could be translated to any company in the world pollination below, but of course there's nothing so secret about them have listed seven of the "secret ingredients" in our recipe for cross-

- a source of continuous renewal built into the work practices of something either new to the world or newly reinvented, and is firm is actively working on right now. But it is always about covery or surprise, so it doesn't always relate to projects the tell is partly serendipity, often resulting from an accidental disapproach to collecting and sharing what we know. Show-andnologies for potential application to our work, is a systematic The IDEO Tech Box, a collection of hundreds of promising techacross the firm via e-mail or our intranet-based sharing systems. either face-to-face within smaller design groups or electronically my brother's office. The firm has gotten a lot bigger since then morning meetings, when the entire company sat on the floor of sharing fresh insights or new technologies during Mondaya hearty show-and-tell. In the early days of the firm, that meant Show-and-tell. Whenever IDEO groups get together, we enjoy the organization. (and David's office got a bit smaller), so show-and-tell happens
- 2 Hire lots of people with diverse backgrounds. We've never expand our talent pool or stretch the firm's capabilities matter of pattern recognition. We're more likely to sift through engineer just like Chris," then the interview would be a simple the wide variety of applicants looking for someone who will "more of the same." If the recruiting task were to hire "another looked at hiring as merely a process of addition or bringing in
- Stir the pot with space. As we'll discuss in the Set Designer minded people into one floor or building makes sense if you tool for advancing your strategic agenda. Grouping all your likechapter, the company's physical workspace can be a powerful

tal" or impromptu meetings space. We create lots of multileave ample space for "accidendisciplinary project rooms and that belief with our use of pollination, and we support believe there's magic in crossone discipline, but at IDEO, we want to emphasize solidarity in

than inside. outside your country are more new ideas concede that there No matter where you're from or how hope you're willing to patriotic you may be, I

cases broad so that people can literally "meet halfway." among people from disparate groups. We even make our stair-

- 4 Cross cultures and geographies. IDEO favors a cultural melting just seems to cross-pollinate naturally from other cultures. tally for an office of forty. And a well-blended international staff time I visited, there were eighteen flags hung, a pretty robust raised a flag for every country represented on their team. Last in our firm, but a few years ago, our Boston office—just for fun able. I've lost track of how many nationalities are represented your country than inside. Importing new insights is always valuyou're willing to concede that there are more new ideas outside matter where you're from or how patriotic you may be, I hope pot, seasoned with a steady mix of international flavors. No
- Host a weekly "Know How" speakers series. Nearly every off a wave of discussions throughout the firm. Know How is a the conversations—continuously fresh. weekly burst of cross-pollination that keeps the thinking—and but the shared buzz of many IDEO people seeing a speaker sets smart mobs, Jeff Hawkins on the workings of the human brain), (Malcolm Gladwell on snap judgments, Howard Rheingold on thoughts with us. Not only are their insights often fascinating Thursday evening, a world-class thinker shows up to share their
- to meet with a continuous stream of interesting people who Learn from visitors. My role at IDEO includes the chance

each visit, I feel a little more up-to-date and attuned to current trends—and, dare I say it, just a little bit wiser for the ings, and I think of it as a form of postgraduate education. After the years, I've participated in more than a thousand such meettheir industry, their company, and their point of view. Over clients who typically spend a couple of hours telling us about travel long distances to visit us each year. Most are prospective

of industries—means that we can cross-pollinate from one world at IDEO, or at any other company with a culture of continuous Seek out diverse projects. There's an old saying that a fortylearning. The broad range of our client work—spanning dozens year career is sometimes the same year repeated forty times. Not

team morale to competitive advantage. mitment to cross-pollination that yields benefits in everything from that support the social ecology of the firm—and they represent a comto do. But put them all together-along with a hundred tiny details cross-pollination. None of these individual elements is especially hard There's no rocket science involved in building a greenhouse for

#### Crossing Ideas

ing thousands of children get to school and villagers get to market rivers in Nepal (at a fraction of the cost of suspension bridges), helptems, has built dozens of gondola-like wire bridges over dangerous thinking to rural Nepal. Based in Kathmandu, their company, EcoSysture. Now they've spent a decade transplanting IDEO-style design Haydi Sowerwine and her husband, David, spent the first half of their teachers as well, helping to spread knowledge and ideas. Ex-IDEOer lives in Silicon Valley, gathering knowledge and soaking up the cul-Cross-Pollinators are more than good students. They're good

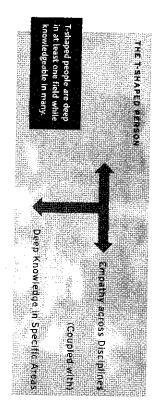
> safely. Haydi and David's work recently earned them a Tech Museum expand their influence. Award for technology benefiting humanity, and they continue to

ing solutions without some key element popularly considered standard make a practice of "doing without"—tackling a problem by considerfrequently approach problems from unusual angles. They sometimes combinations that often spark innovative hybrids. Cross-Pollinators nections that others miss. They act as matchmakers, creating unusual often think in metaphors, enabling them to see relationships and conadult skill of applying those subtle differences in new contexts. They don't, and to spot key differences. But they've also honed the very Cross-Pollinators retain the childlike ability to see patterns others

opportunity today. futures might provide a business learned is never to open to the possibility that imagined and one thing I've tile ground in science-fiction stories, With T-shaped people, revival. Conversely, they look for fer- I'Ve spent a lot of time of their time or may be ready for a dents of history, they search for concepts that may have been ahead Pollinator, who revels in looking beyond their present challenges. Stu-At IDEO, we've found that some of about them. Both the past and the future are great sources of ideas for a Crossleap to conclusions

tion, gather some T-shaped people for your team. tion, but don't let that bother you. If you're looking for cross-pollinaassumptions, but with a T-shaped person, you are likely to be surprised ing when you hear one salient fact about a person to start making thing I've learned is never to leap to conclusions about them. It's temptof expertise. I've spent a lot of time with T-shaped people, and one what we call "T-shaped" individuals. That is, they enjoy a breadth of by what you find out next. In the end, they defy simple categorizaknowledge in many fields, but they also have depth in at least one area our most valuable Cross-Pollinators are

trate what I mean: IDEO is full of T-shaped people, and here's a quick glimpse to illus-



- Kristian Simsarian at IDHO San Francisco has a bachelor's degree a Ph.D., while building digital narrative tools for teachers in tool at IDEO today. He's a one-man multidisciplinary team, with Europe. Kristian started his own improvisation group in a Stockment, where he created his own course of study, spanning at Edinburgh University's noted Artificial Intelligence Departing language of improvisation interests in the learning process, and fluency in the freewheeldeep understanding of human/computer interaction, broad holm studio space, and he continues to use improv as an ideation ethnography and engineering. He moved to Sweden to pursue in computer science, studied robot perception, and did a stint
- 0 Sabine Voegler combines the cultural influences of her German to create remarkable customer experiences. Munich, where she draws on her uniquely blended worldview father, her Brazilian mother, and her California experiences. Having lived on three continents, Sabine is currently at IDEO
- Owen Rogers, an avid IDEO Cross-Pollinator in our Consumer ing large innovation and branding programs, but still maintains revered Royal College of Art. He has a deep expertise in managstonemason, and disk jockey who "talked his way into" London's Experience Design group, describes himself as a former mechanic,

chance to work with a client recently on high-end automotive his interest in the world of auto mechanics, so he jumped at the

 IDEOer Kara Johnson, a quintessential T-shaped person, has deep to consider alternative and sustainable materials. we hadn't fully considered in the past. She has sparked new year at IDEO, spreading the word about new-material options emy. Kara worked on more than fifty projects during her first sculpture and pottery at Michigan's prestigious Cranbrook Acadinterest in materials across the firm and encouraged companies interests across a broad range of design fields, and she studied Lest you think she's one-dimensional, however, she also has Ph.D. from Cambridge, and a successful book on the subject. expertise in materials science, with a master's from Stanford, a

can make a remarkable difference. brilliant inventors or titans of industry. Even small, pointed insights in big ideas from the outside. And Cross-Pollinators don't need to be good ones can send shock waves through an organization as they bring Not all Cross-Pollinators are as versatile or multifaceted, but the

## Innovation on a Shoestring

remarkable. When he placed one pot within another, filling the space ters, he began adapting traditional clay pots and hit upon something between with wet sand, the water in the sand evaporated toward the the past to help make a better future. Descended from a family of potquestion for many of his neighbors. Bah Abba cross-pollinated from African heat, but he knew that a standard refrigerator was out of the Abba wanted to help keep food from spoiling so quickly in the intense teacher with a business degree in impoverished northern Nigeria. Bah from the grassroots entrepreneurial efforts of Mohammed Bah Abba, a I wonder if innovators everywhere couldn't get some inspiration

the sand to maintain the cycle of evaporation. a damp cloth. His cooler required no energy, just periodic wetting of two years perfecting his clay "fridge," learning to cover the pot with outer shell of the inner pot, cooling the vegetables inside. He spent

a day. Bah Abba put unemployed potters to work turning out thousands of his clay pots, at a cost of 30 cents per cooler. Today, the lives of thousands of Nigerian villagers have been improved by this bril-African spinach was edible for almost a week instead of going bad in liantly simple innovation. Eggplants that once spoiled in a few days lasted four times as long.

garage. Lacking money or staff, they had to be resourceful constraints force you to break new ground because the "business as the Silicon Valley legends about companies getting their start in a usual" path is simply not available. There's an essential truth behind idea that "necessity is the mother of invention." Scarcity and tough Sometimes a lack of resources and tools can prove to be the spark that helps you to seek out and make new connections. It goes beyond the There's a principle at work here that we would all do well to respect.

testing rig made with a Playtex baby bottle that costs \$20 instead of England university into a scrappy mind-set for innovating on the opportunity. How does Smith plunge students from a prestigious New the traditional \$600 setup; and charcoal fuel fashioned out of the inedideas like a low-cost kit to remove land mines in Zimbabwe; a wateron so little. Smith's program has been a catalyst for promising new dents quickly learn that most of all, they have to be creative to get by by in Cambridge on \$2 a day. Along with dealing with hunger, stucheap? For one week during the semester, her students have to scrimp ible remnants of sugarcane. demonstrates how innovators can turn a resource constraint into an Amy Smith, an instructor at Massachusetts Institute of Technology,

studies," where they get their most frequent viewers to go "cold something away. For example, MTV does what they call "deprivation resources for granted. To create something new, you may have to take ties we might be missing in the business world because we take Amy Smith's MIT program makes me wonder what opportuni-

> up with something on the cheap. It can be a great innovation exercise straints. The next time your ideas seem stale, challenge a team to come working with meter and rhyme, great Cross-Pollinators seek out congenerating and communicating ideas without the use of technology turkey" for thirty days of no MTV, just to see what clever alternatives Pass an afternoon prototyping without conventional tools. Like poets they come up with. So try your own version of scarcity. Spend a day

## Increase Your Fluency

of new connections, making new leaps of imagination. Give your team greater variety and they will start seeing the outlines interesting project work can fuel the fire of a culture of innovation. next one. That's one of the secrets of cross-pollination. Diverse and the more languages they master, the easier it becomes to absorb the Cross-Pollinators are like linguists, confident in the knowledge that

great food. Pixar resembles a teeming, electronically charged urban vilresources. The distinct work clusters, or "neighborhoods." Even the corporate) lab. The emphasis on collaborative technical and human thing else was remarkably different from the standard university (or San Francisco office. Sure; Pixar had plenty of computers, but everytook our team to Pixar's animation studio, across the bay from IDEO's ters for inspiration. Abandoning that traditional model, we instead approach would be to benchmark lots of other computer science cenputer science building of a major university. The straightforward lage, a provocative contrast to a university laboratory. For instance, not long ago we were asked to help redesign the com-

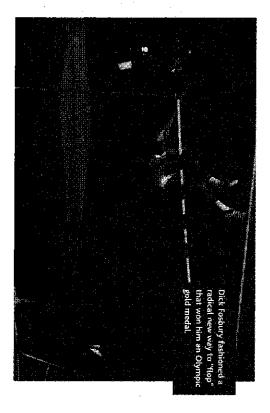
something valuable for your own company are to diverse approaches, the more likely you are to come up with open mind is central to cross-pollinating. And the more receptive you ideas or concepts that might take root on their own business turf. An vard? Plenty, I'd suggest, if they toured the campuses with an eye to company like Pixar, what might companies learn from Stanford or Har-Cross-pollinating works both ways. If universities can learn from a

#### The Fosbury Flop

at an issue from a completely different perspective. Sometimes you literally need to sneak up on an old problem from a new direction. Creativity guru Edward de Bono called it "lateral thinking"—looking Instead of heading straight at the challenge, you approach it, well Cross-Pollinators sometimes tackle a problem by turning it around

over the net sideways. The scissors jump works pretty well on the tenwith trailing foot clearing last. Fosbury did as he was told but was no with leg, thigh, stomach, and head, swiveling up and around the bar, the "belly roll"—in which you throw up your lead foot and follow it off with the more efficient and then-popular "straddle"—also called nis court, but his coaches knew that in the high jump he'd be better sometimes see on the tennis court when a triumphant player jumps ferred the familiar jumping style called the "scissors," a move you and-field athlete at his high school in Medford, Oregon. Fosbury pre-1960s, a kid named Dick Fosbury was a mostly unremarkable trackthe high-jump technique dubbed the "Fosbury Flop." Back in the something unexpected happened. Gradually, as the height was raised against the conventional wisdom that it would limit his success. Then one track meet at the age of sixteen, he started scissoring again, going better than average at the straddle, never eclipsing  $5^{\prime}4^{\prime\prime}$ . But during on my back." Fosbury wasn't quite flopping yet, but he was going mostly backward—and clearing 5'10", higher than he'd ever gone "I started laying out more," he recounted, "and pretty soon I was flat To me, one great visual metaphor for "backward" innovation was

6'7" high and won a national junior championship. In college, once ing upon his shoulders, faceup. That summer he flopped over a bar knees, with both feet clearing the bar at the final moment, then landinto an arched backward half-somersault—shoulders up, followed by last moment, twisting to turn his back parallel to the bar and leaping trademark "Flop"-bounding in long, powerful strides, then, at the more his coaches tried in vain to set him straight—but he could never The summer after he graduated in 1965, Fosbury started doing his



straddle more than 5'10." Fortunately, his coach gave up his plan to make "a triple jumper out of him.

bury Flop looked strange the first time you saw it. Really strange. who said, "Did you see that!? Watch this guy when he jumps again. It's spectators in the stadium seemed to go silent each time he jumped— Olympic Games. At the 1968 summer Olympics in Mexico City, all 80,000 the weirdest motion you ever saw." Like a lot of breakthroughs, the Fosbackward. I remember watching the Olympics on TV with my father, Fosbury, of course, kept right on flopping—all the way to the

radical style permitted a faster run at the bar, with less deceleration error—remains to this day the most efficient way to high-jump. His style from other contexts and evolving it through enlightened trial and what Fosbury discovered in the mid-1960s—starting with a jumping adopted by every Olympic high jumper in the world. Incredibly, than the straddle. Decades later, experts would publish elaborate bioranks of elite athletes, but eventually the Fosbury Flop was fully It took almost ten years for Fosbury's innovation to ripple through the American and Olympic records with a jump of 7'4'/4'' and won gold. Experts said Fosbury would break his neck. Instead, he broke the

momentum" and "somersault rotation. mechanical studies proving the Fosbury Flop's superior "angular

Like a lot of break-Really strange. first time you saw it. throughs, the Fosbury

Flop looked strange the nique. It took an independent thinker like Fosbury to fashion a genuinely were jumping with an outmoded technew approach. But Fosbury didn't flop dantly clear that the old straddlers Looking back today, it's abun-

his approach would fail miserably. As with many new business innovations, Fosbury was first told that whether he was on a path to success or stumbling down a blind alley. adding his own twist, gradually refining his technique, never sure invention. He experimented with a style widely considered flawed, come in the kind of "eureka" moment so popular in the mythology of all at once. The breakthrough didn't

Fosbury Flop. that it sounds like a crazy idea, ask them if they know the story of the The next time someone tells you no one's done it that way before, or I can't think of a better moral for those interested in innovation.

come from the most unlikely of all directions. Cross-Pollinators keep an open mind. They know that success can

### The Germ of a Seed

ness, and then come back. while, have gone out and gotten broad experience elsewhere in busihowever, we're also tapping into the cross-pollination potential of individuals whose curiosity is still running strong. More recently, sources of Cross-Pollinators. Of course, we've always relied on a steady surprising or even eccentric. At IDEO, we've found a couple of great challenges. Some might find the résumés of our best Cross-Pollinators "boomerang" staffers—talented people who worked with us for a flow of fresh thinkers with eclectic experiences right out of college, curiosity and unusual backgrounds who expand your ability to tackle Cross-Pollination begins with people: individuals with restless

> down to an entire meal grown completely by himself that rarest of twenty-first-century pleasures—the opportunity to sit and nectarines. His vineyard produces a respectable Zinfandel. He enjoys tor and other heavy equipment to farm wheat, tomatoes, olives, peaches, end farmer," but the phrase doesn't do him justice. Bob mans the tracto buy a small farm in the Sacramento Valley. He calls himself a "weekthe way, Bob found the time to earn a master's in viticulture from the University of California at Davis, and discovered the energy and drive ford and briefly at the Royal College of Art in London. Somewhere along tank, exploring how musical controllers might improve the digital interand Stan Getz. Meanwhile, he did a long stint with a Silicon Valley think getting the chance to play with such luminaries as Joe Pass, Richie Cole, face. He also made his own electronic instruments, and he taught at Stan-IDEO. After a couple of years, Bob left to pursue a career as a jazz bassist, in India with Hewlett-Packard before joining an earlier incarnation of Cross-Pollinator. More than a decade ago, Bob spent two years working Stanford product-design graduate Bob Adams is one such boomerang

make his approach more successful in industry. why farmers use pesticides and fertilizers. That grounding may help knows firsthand how hard it is to farm organically, and understands subject and networking with some of the field's leading thinkers, Bob has experience running the ultimate sustainability model—a farm. He able practices to business. More than just immersing himself in the about sustainability, and seems well attuned to bringing more sustainalready brought a thoughtful eye to new projects. Bob's passionate Bob rejoined our San Francisco office a year or so ago, and he has

chance to find some fertile soil and you won't regret it. ors. You might find their backgrounds surprising, but give them a their culture and lend fresh perspective and experience to their endeav-Every company could use some good Cross-Pollinators to enliven

## Found in Translation

I say get on a plane and see the world. Traveling often and widely is To those who complain that there's nothing new in their industry,

one of the most effective ways to become a better Cross-Pollinator. translate what you find. Sometimes the most direct route to innovation is to look abroad and

retail experiences—is a store called Mujirushi Ryohin, better known trying to create a new "house brand," they sent a design team far afield in the 1970s, when the Seiyu chain of low-cost department stores was is one of those stories of something being gained in translation. Back however, that the unique retail chain got its inspiration in America and Good stuff." I think of the store as distinctively Japanese. It turns out, by its nickname, "Muji." The name translates roughly as "No brand and-white labeling, that were popular at the time. part of a series of deliberately unbranded products, with stark blackwho collected them. She came across simple "generic" beer, which was ket searching for unusual beer cans to take back for a friend in Japan became a celebrated art writer) dropped into an American supermartor inspiration. During the trip, team member Kazuko Koike (who later looking for new ideas. One team went to the United States, searching One of my favorite shopping spots in Tokyo—a city of fascinating

success. What ideas Muji was able to take tor you to tap into? are out there waiting into a stellar Japanese America and turn it a simple idea trom

can concept into a stylized, intentionof clothing and houseware products "the essence of generic." Seiyu's line ally low-key Japanese design that was Seiyu, which translated the Ameriiconic no-frills design, and brought use simple materials like unpainted the idea back home to explore at She liked the simple graphics and

ing "no brand" Muji brand was so successful that, a few years later, Seiyu ral color palette limited to white and black, brown and gray. The resultaluminum and minimalist packaging like unbleached paper, with a natufrom Sapporo to London, and sales of nearly a billion dollars. fashionable Aoyama district. Today, Muji has almost 300 stores spread out launched freestanding Mujirushi stores, starting with a location in Tokyo's

for those willing to travel and imagine. Muji was able to take a simple That's the heart of cross-pollination. It's a rich source of inspiration



to Asia or Europe or the Americas. You just might have a hit. have the chance. Scour the world for ideas. Reinvent something native that makes them distinctively your own? So travel widely when you land or a foreign culture might you translate or shape or adapt in a way successfully in large markets elsewhere? What concepts from a distant cataract surgeries at a cost of roughly \$10 each? What popular regional foods, like açaí from Brazil or edamame from Japan, could be marketed Eye Hospital in Madurai, India, a hospital that has done a million are out there waiting for you to tap into? What might U.S. health care firms learn from extraordinary international models like the Aravind idea from America and turn it into a stellar Japanese success. What ideas

### Reverse Mentoring

do you continue to grow and flourish? Mentoring apprentices and probut what do you do when your "acorn" days are far behind you? How The old adage "Mighty oaks from little acorns grow" may be true,

sions. But when you've put a few growth rings under the bark, confrom a younger generation to inform and inspire. sider the flip side. Sometimes what managers really need is a mentor tégés has been part of business as long as we've had crafts and profes-

about what's happening in the world today. sider seeking out younger mentors to provide insights and initiative company's natural tendency to be overreliant on its experience. Containing the traditional view. Reverse mentoring can help counter your open to fresh approaches, even when all your experience suggests mainnavigating. In our experience at IDEO, we've found that it helps to be when you're on course, enough humility to know when you need help Bob Sutton calls an "attitude of wisdom": enough knowledge to sense The smartest folks I know have what my Stanford professor friend

and when I go to new time zones it updates the time immediately." My me don't wear watches anymore. So I asked Chris, "What's the story? of the first people I go to when I'm feeling behind the curve on some when I wasn't looking. And my second thought was What if I were first thought was Wow, there's something that changed about the world perfect time. I don't have to manually adjust it for daylight savings, by surprise. "Tom, why do I need a watch? My mobile phone keeps You've got client appointments. Why no watch?" His response took me ple, I noticed a couple of years ago that a lot of younger people around new trend that seems like it might be worth knowing about. For examfew years, though we never really formalized the relationship. He's one customers see no need for my product category? Timex? What's my business strategy for a future in which mainstream IDHOer Chris Flink has been my de facto reverse mentor for the last

of decades ago when he found his spiritual home as a professor in Stanthing. My brother David learned the value of reverse mentoring a couple tive could use some of the insights and enthusiasm of a twentysomestream of smart and motivated nineteen- to twenty-three-year-olds. And thing, he is showered with the ideas and enthusiasm of an unending ford role, but he also benefits from his devotion to teaching. For one ford's product-design program. David puts a lot of heart into his Stanhandful of companies that have realized that a fiftysomething execu-Reverse mentoring isn't widely practiced yet, though I know of a

> that those who spend their time exclusively in industry seldom are. these bright young minds keep him informed and up-to-date in a way

discussions. So as part of the process of interacting with student groups, David learns not only what they buy but also what they think. it in the student population years before it really showed up in business I introduce more of a social conscience in the world of business?" He saw tude of "How can I get rich by launching a new product?" to "How can couple of years ago that his students had shifted en masse from the attiof—what's happening in the world. Nor is the knowledge he gleans music and video gaming, keeping him up-to-date with—sometimes ahead and a dozen other technologies embraced by the early adopters in his stream in the general population. Same for blogging, instant messaging, focused entirely on culture and entertainment. David mentioned to me a classrooms. David gets a window into all sorts of trends in fashion and my brother knew all about downloading music from the Web. Computerbased video editing showed up in his classes way before it went main-Long before Napster and Kazaa made front-page news in the nineties,

sider opening a new line of communication, adopting an attitude that frees you to learn from the youngest members of your staff. part of this cross-humanizing technique is that everyone gains. Con-Could you benefit from a reverse mentor? Be one yourself? The best

David calls it the eggs teaching the chickens.

#### The Gift of Giving

with simple \$1 yellow bracelets to Amazon.com generating \$15 million Nike helping Lance Armstrong raise \$33 million for cancer research Gap, the Discovery Channel stores, and others were finding that cusin "I-Click donations" for victims of the catastrophic Asian tsunami. tomers have a sincere wish to donate to a good cause—everything from Generosity can be the quality that propels you above the crowd. As I wrote the final chapters of this book, major retailers like Niketown, ity can help you get there and be good for your company's karma. pollination. You're in business to make money, of course. But generos-Giving may be the most counterintuitive and extreme form of cross-

give away what seems to be your crown jewels. One inspired Cross-Sometimes the most strategic branding move you can make is to tional force. And you can take giving to a level you might not expect. Pollinator can make the difference. The good karma of giving can be a surprisingly powerful, inspira-

States had no seat belts at all. So Bohlin, who had spent years dreamconsidered state-of-the-art technology—and most cars in the United the time, the two-point seat belt that stretched across your lap was was ejector seats. In 1958, he became Volvo's first safety engineer. At to keep them in. He tossed out the less effective two-point belt and ing up ways to pop people out of airplanes, came up with a novel way for Swedish aircraft company Svenska Aeroplan, where his specialty do with Volvo's success over the years. During the 1950s, Bohlin worked Though you've probably never heard of Nils Bohlin, he had a lot to



nearly all automotive seat belts today. ushered in the three-point shoulder belt, which remains the basis for

to making the safest vehicles in the world. Volvo's slogan, "For Life," echoes the company's sincere commitment and design have helped make the Volvo brand synonymous with safety. Side Impact Protection System. Today, more than forty years later, Bohlin went on to lead efforts that resulted in Volvo's highly acclaimed ing of lives. That pivotal choice and decades of leading-edge research decision not to patent this remarkable invention to encourage the savmind the unique part of this story is Volvo's extraordinary and brave By 1963, Bohlin's invention was standard on all Volvos. But to my

What might you give away that will give you an edge?

#### **Emulating Nature**

person who tirelessly spreads the seeds of innovation Cross-Pollinator, a sometimes unsung role in the business world, the things hard to comprehend, in the sum of the parts. And so it is with the on flying anyway. Perhaps the answer lies, as it does with so many fragile-looking wings. But the bumblebee doesn't know that, so it goes dered how the bumblebee flies at all, with its bulky body and tiny, Pollinator becomes a bit like the unlikely bumblebee. Many have wonactively seeing and connecting with more ideas and people, the Crosspersona, intuitively understand the role of serendipity and chance. By Those who practice cross-pollinating, perhaps more than any other

will help your organization succeed. ecosystem of innovation. Welcome the role. Encourage it in others. It than you ever imagined. The Cross-Pollinator is an essential part of the aptitude for playing this role? You may find your wings can flap faster learning and teaching? Are there others on your team who have an Do you have wide interests, a voracious curiosity, and an aptitude for Pollinators. Maybe, like the bumblebee, you too are an unlikely hero. a collection of personas—part Anthropologist, part Experimenter, part personas you have yet to meet. Every organization needs Cross-As you may have figured out, the Cross-Pollinator is in many ways