

Trivia

The Beauty of Mathematics!!!!!!

$$1 \times 8 + 1 = 9$$

$$12 \times 8 + 2 = 98$$

$$123 \times 8 + 3 = 987$$

$$1234 \times 8 + 4 = 9876$$

$$12345 \times 8 + 5 = 98765$$

$$123456 \times 8 + 6 = 987654$$

$$1234567 \times 8 + 7 = 9876543$$

$$12345678 \times 8 + 8 = 98765432$$

$$1 \times 1 = 1$$

$$11 \times 11 = 121$$

$$111 \times 111 = 12321$$

$$1111 \times 1111 = 1234321$$

$$11111 \times 11111 = 123454321$$

$$111111 \times 111111 = 12345654321$$

$$1111111 \times 1111111 = 1234567654321$$

$$11111111 \times 11111111 = 123456787654321$$

$$111111111 \times 111111111 =$$

$$12345678987654321$$

If:

ABCDEFGHIJKLMNOPQRSTUVWXYZ

Is represented as:

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

18 19 20 21 22 23 24 25 26.

Then:

H-A-R-D-W-O-R- K

$$8+1+18+4+23+15+18+11 = 98\%$$

And:

K-N-O-W-L-E-D-G-E

$$11+14+15+23+ 12+5+4+7+5 = 96\%$$

But:

A-T-T-I-T-U-D-E

$$1+20+20+9+20+21+4+5 = 100\%$$

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THE FUNNY SIDE

Ever Wonder?

Is anything worse than that moment during an argument when you realize you're wrong?

Why did I resist all those times I could've taken a nap when I was younger?

Why haven't they invented a sarcasm font?

How the heck *are* you supposed to fold a fitted sheet?

Was learning cursive really necessary?

MapQuest really needs to start their directions on #5. Don't most people know how to get out of their neighborhood?

You ever notice that bad decisions make for good stories?

Can we all just agree to ignore whatever comes after Blu-ray? I don't want to have to restart my collection...again.

Ever notice how you keep some people's phone numbers in your phone but refuse to answer when they call?

Why do TV manufacturers measure the picture diagonally? Have you ever watched a TV that way?

Why do they say the wind is "out of the" north, south, east or west when the direction of everything else on earth is determined by the direction something is moving towards?

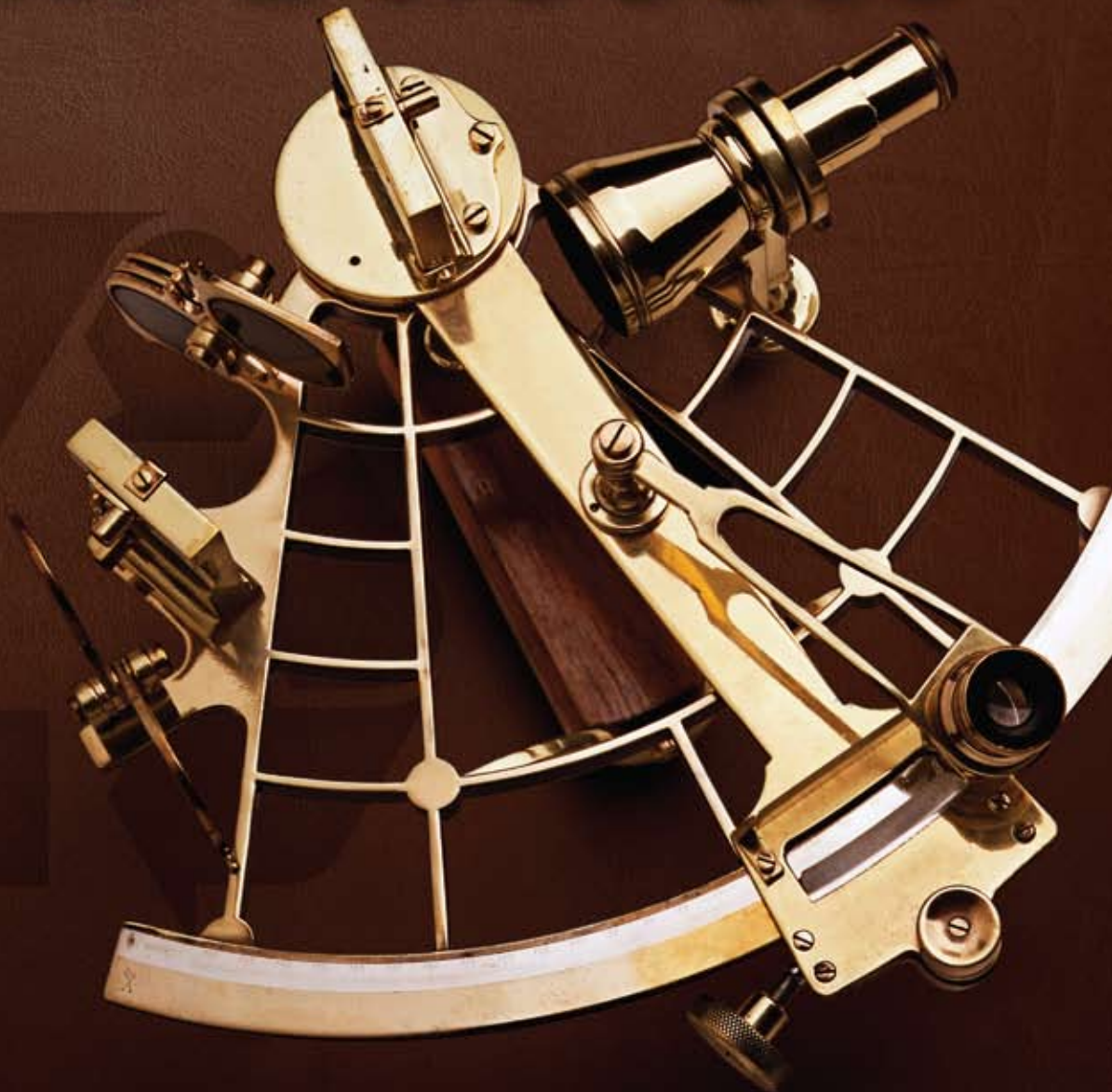


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A Compass for Success



A Compass for Success

Since man first became curious about his environment and began to wander the earth, he has relied on tools to help him navigate the way. Ancient mariners looked to celestial bodies and the stars to guide them. Early Olmec artifacts suggest the Mesoamerican Indians discovered and created a type of geomagnetic lodestone compass for astrological or geomantic purposes. The early Chinese employed devices designed to guide them towards order and harmony within their environment and buildings in accordance with the principles of feng shui.¹

Over the centuries, a variety of compass “types” were invented including bearing, dry, gyroscopic, liquid, magnetic and solid state. Their functions are as different as the people who have used them. There is, however, one type of compass universal to mankind but it isn’t made of metal or stone or twinkle in the night sky. Many call it their conscience. To others, it’s that little voice inside that tells them the difference between right and wrong. Or it can be the feeling in your gut when you just know. It’s an internal compass that helps us decide which way to turn and which choices to make as we navigate life. In business, those choices can have far-reaching effects. Choices that will determine a company’s failure or success and shape the values that will define an organization’s corporate culture.

¹: Compass, www.wikipedia.com, November 16, 2009





M.C. Gill Corporation was founded by a man who valued hard work and exemplified tenacity. For 65 years the company has been a family-run business with employees and leaders who share those values and are committed to creating an environment where innovation, quality products, and customer service are number one.



M.C. Gill Corporation prides itself on being a pioneer in the field of composite materials. Our chemists and engineers are continually evaluating new materials, new processes and operational practices. In the 1960s, we were one of the first manufacturers to utilize specialized reinforcements like carbon fiber and S glass for stronger, lighter floor panels and cargo liners. In the 1970s, when rising oil prices and safety concerns gripped the airline industry, M.C. Gill Corporation reacted quickly with new products, new resins and reinforcements to adapt to the changing industrial requirements for less weight with enhanced mechanical properties, low flammability and smoke and toxicity.

Woven carbon fiber



During the next two decades, M.C. Gill Corporation welcomed the opportunity to support weight-saving initiatives launched by the aircraft manufacturers. These aerospace manufacturers realized it was time to fundamentally change commercial aircraft design to be lighter and more efficient by incorporating advanced composite materials. “The first significant use of composite material in a commercial aircraft was by Airbus in 1983 in the rudder of the A330 and A310, and then in 1985 in the vertical fin and tail fin.”²

² HIS White Paper, Composites in Aerospace Applications, Adam Quilter, www.ihs.com

Incorporating these newer weight-saving composite materials resulted in considerable reductions in fuel consumption and, consequently, a reduction in the carbon footprint left by the airline industry. These advanced composite materials would eventually make it possible for Boeing and Airbus to develop revolutionary new aircraft like the B787, A350 and A380.



While the aerospace industry was experiencing a metamorphosis in design and strategy, society was suddenly consumed by a new awareness of the environment. The spark that awakened this interest was ignited by an unexpected source. In 1962, Rachael Carson wrote a book titled *Silent Spring*. It brought a groundswell of interest in the environment and is widely credited with helping to launch the environmental movement.³ People today often credit groups like the Sierra Club and Greenpeace, or individuals like former Vice President Al Gore, for starting the green movement, but scholars agree that Carson's book was the catalyst. The firestorm that followed fathered a whole new branch of the natural sciences that became known as ecology.



³ *Silent Spring*, www.wikipedia.com



In the intervening years, interest in the environment and resource management has matured and gathered steam. Governments,

businesses and society as a whole are regularly asked to confront the issue of how we impact the world we live in. Fears about water shortages, air quality and global warming abound but, regardless of your position, most people agree that it is the responsible thing to reduce waste, conserve our resources and work towards being environmental stewards. The internal compass that guides us is saying we need to protect our environment and manage our resources wisely to protect the legacy we leave our children. At M.C. Gill Corporation we've been doing it for years

Careful management of our manufacturing process is a cornerstone of our business. We are constantly assessing the raw materials we use and the equipment we employ. Producing longer-lasting, lighter-weight materials helps our customers to conserve fuel and reduce the negative impact on the environment. By the late 1970s, we were well on our way towards greening our operations. Our plants instituted programs to reduce waste, reclaim release papers from our pressing operations and recycle paper goods wherever possible. During the next two decades our business grew and so did our commitment to conserve, so we turned the microscope on every part of our operations and developed a plan based on the simple concept: reduce and recycle.



New oxidizers significantly reduce volatile organic compound emissions (VOCs) including CO₂.

In the early 2000s, we qualified for a Southern California Gas Company grant. We purchased and installed more efficient regenerative oxidization units to reduce volatile organic compound emissions (VOCs) to the air while reducing natural gas usage by 20%. Next, we installed large-capacity bake ovens and upgraded our heat-set ovens. Greater capacity allows us to manufacture more efficiently and at the same time, reduce the impact on the surrounding environment.



On the heels of this success, we were then awarded a second grant and installed a new low NOx boiler system with state-of-the-art cooling towers. The new equipment results in reduced waste water from the manufacturing process.



State-of-the-art low NOx boiler system along with high-efficiency cooling towers.



In 2005, M.C. Gill Corporation was named Good Corporate Citizen by The Sanitation Districts of Los Angeles County "for your efforts in protecting the environment".



Our subsidiary in Maryland, Alcore, Inc., recently upgraded their facilities and installed a new state-of-the-art dust collection system. The manufacturing plant operates an ongoing comprehensive recycling program for aluminum, paper goods, and other metal by-products.

Alcore, Inc., recently installed Torit Downflo dust collectors for recycling.



Most recently our Chairman and CEO Stephen Gill challenged us to embrace an aggressive plan to vastly reduce scrap. Less scrap is a direct result of better process management from raw materials to finished goods. We are operating in a tough economy, and controlling waste lowers our impact on our landfills while strengthening our business.



Stephen Gill, Chairman and CEO

Misc. Paper Recycling

55,000 lbs/
month.

The equivalent
of saving 6
trees a month.



This fall, the operations team at our headquarters in El Monte instituted an expanded recycling program to reduce waste further. These recent endeavors include:

Solid Aluminum Recycling

500 lbs/
month.

Mixed Steel Recycling

3,000 lbs/
month.



Mixed Aluminum Recycling

5,000 lbs/
month.



Poly Film Recycling

10,000 lbs/
month.



We're proud of our efforts and expect to keep the momentum going. We have teamed with local recycling firms to ensure we keep roll-off bins, tilt-hoppers and trailers on site to accommodate our recycling efforts. Employee ideas that will translate into additional reductions are recognized and we are all watchful for other opportunities. While our core product line supports energy-saving initiatives within the aerospace industry we are also investing in sustainable technologies outside the airline industry.

Several years ago, M.C. Gill Corporation decided to partner with a company that developed a new technology to retrofit and repair damaged structure. The product is a revolutionary material that is applied to rigid surfaces (such as concrete, wood and metal) that have developed structural weakness due to cracking, fatigue or environmental erosion. It's an exciting new way to make existing structures safe and functional again without the long-term environmental effects of demolition and rebuilding. Applying this material is cost-effective, environmentally sensitive and non-intrusive. Products and new technologies like this are examples of how we continue to innovate.



For the last 65 years, M.C. Gill Corporation has navigated a steady course through the ups and downs of a changing business environment. We are leaders in our field and responsible participants in the effort to care for the future while we manufacture today.



M.C. GILL CORPORATION

4056 Easy Street, El Monte, California 91731
phone: 626 443-4022 fax: 626 350-5880
email: info@mcgillcorp.com



Alcore, Inc.
Lakeside Business Park,
1502 Quarry Drive
Edgewood, Maryland
21040 USA
phone: 410 676-7100
fax: 410 676-7050
email: sales@alcore.com

Alcore Overnight™
Expedited Delivery
email: overnight@alcore.com

Alcore does not sell sandwich
panels. Contact M.C. Gill for
these products.



Alcore Brigantine, Inc.
Route de l'Aviation
7, allée Etchecopar
64600 Anglet France
phone/téléphone:
+33 (0) 5 59 41 25 25
fax/télécopie:
+33 (0) 5 59 41 25 00
email: sales@alcorebrigantine.fr



M.C. Gill Corporation Europe Ltd.
23 Enterprise Road,
Balloo Industrial Estate South
Bangor Co-Down
BT19 7TA, N. Ireland
phone: +44 (0) 2891 470073
fax: +44 (0) 2891 478247
email: sales@insoleq.co.uk



Castle Industries, Inc.
of California
601 South Dupont Avenue
Ontario, CA 91761-1502 USA
phone: 909 390-0899
fax: 909 390-0898
email: info@castleindustries.net

www.mcgillcorp.com

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