



OMEGA Productive Services, Inc.

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SUMMER 2004

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Quote of the Month:

“Success is the maximum utilization of the ability that you have.”

- Zig Ziglar



Summer Fun!

? Ask Dr. Brush



Contributed by:
Max Carthew
C.E.O.

The 1895 Chicago Race

France had shown the way in 1895 when the Paris to Rouen event had caused so much excitement. The race had been over 87 miles of good roads, and although the first of a kind there were many entries.

America was finally energized to action, when France announced the Paris to Bordeaux event, a race of some 800 miles. The much-publicized winner was the Panhard at an unbelievable average speed of 15 mph.

The Chicago Times Herald sponsored the first American road race held in Chicago. Originally planned for July 1895 it was postponed to Thanksgiving to give the builders more time to perfect their entries. There were many on paper, but only seven vehicles made it to the starting line. The official list included:

- | | |
|---------------------|---|
| Benz by Mueller | Gasoline powered |
| Benz by De La Verne | Gasoline powered |
| Benz by RM Macy Co | Gasoline powered |
| Durea | Gasoline powered |
| Electrobat | Electric battery powered. |
| Elwood Hayes | Gasoline powered (scratched on the starting line) |
| Sturges | Electric battery powered. |

The race began at 8:55AM, and despite the cold and snow it drew much attention from Chicago residents, many of who were out on their horse drawn sleds to enjoy the sunny winter day.

The RM Macy Benz was amongst the first away and was making very good time until it had an unfortunate collision with a Tram and had to be withdrawn. The electric vehicles made a brave show of it but were clearly underpowered for the rough going. In any case there were insufficient replacement battery stations to allow them to finish the course.



A.M.A.

Several cars stalled in the deep snow and were push started by the good-natured crowd. The race soon came down to the Durea driven by Frank, and the Benz of Mueller.

After several roadside repairs the Durea crossed the finishing line after a very long day at 7:18PM. The Benz by Mueller was the only other vehicle to cross the line after midnight driven by the vehicle umpire, Charles King from Detroit. Oscar Mueller having collapsed from exhaustion. First prize of \$2,000 went to the Durea brothers, with Oscar Mueller receiving \$1,500 for second place.

The “Motorcycle” as they were known in those days had been given national coverage. The public however still regarded these vehicles as curiosities for the rich. Few could see that these cranky monsters would one day supplant the horse as the main means of transport. It would take men of vision, with the hearts of Vikings and the simple faith of a child, but that is another story.

Credits: Fill'er Up by Bellamy Partridge

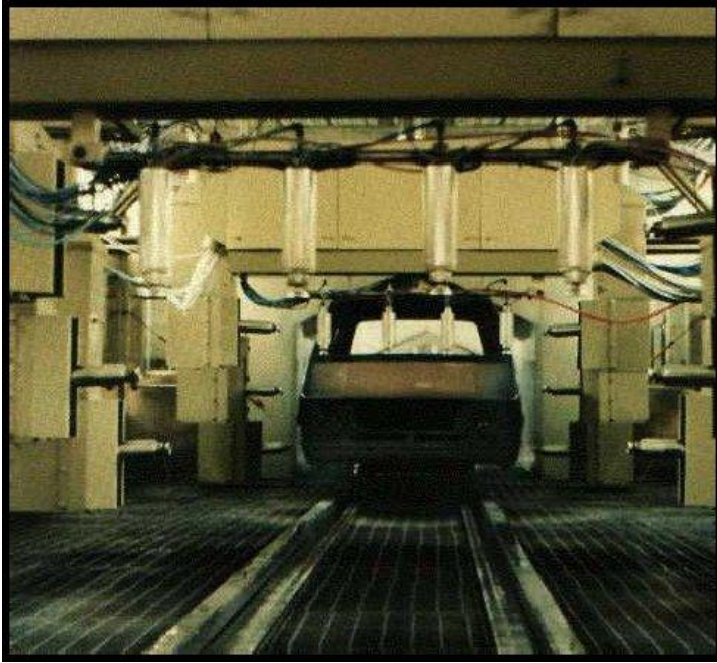
Correction from previous article:

It was stated in the previous article that Henry Ford had entered the Chicago race. In fact he was not present.

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THE PAINT SPRAY ENVIRONMENT



Granted, everyone has a different design to their painting process, but one aspect they all have in common is that temperature and humidity setting and stability is a critical part of their process. Temperature and humidity settings can greatly affect the quality of paint finish. This is set by the paint manufacturer from extensive testing, and is defined in the paint's bill of process. Generally there is a range of temperature and humidity in which the material can be applied to achieve a quality finish. Temperature is important to the process as it influences how well the paint flows onto the surface of the product, impacts the transfer efficiency, and most importantly the flash rate of the solvents in the paint. Humidity is not only critical for the flash rate of paint, especially in regards to water based coatings, but it also controls the effectiveness of the electrostatic paint process and the levels of dirt contamination.

Together, both temperature and humidity can greatly influence film build thickness and dirt counts on the product. This ultimately impacts paint quality measurables such as gloss, color, and Depth of Image (DOI). Consistency is necessary to maintain quality standards with minimal fine-tuning.

How well are you maintaining your temperature and humidity settings compared to standard? Have you calibrated your sensors lately?

Refer to the ASHRAE handbook for further information and definitions.

*Contributed by: Eric Gifford
Engineering Manager*

Photo credits: <http://www.johngreen.com/>

CURRENT PROJECTS

- ❖ We are just getting started on the concept development work for GMTG Moraine, Ohio. This is part of the GM Energy Project and is being performed under contract to International Industrial Systems, Inc.
- ❖ We continue to receive inquiries for our Airstat PDA. We begin shipping before the end of June 2004. Our first order for two units will be for GM Bowling Green Paint Dept.
- ❖ Orders have also been received for several smaller engineering/service projects in the Detroit area.

BRAGGING CORNER



Kevin Dunbar has graduated from Kettering University with a Bachelors of Science degree in Mechanical Engineering. Kevin's senior thesis "DEVELOPMENT OF AN ENERGY MANAGEMENT SYSTEM WITH CONCENTRATION ON AIR BALANCE, ENERGY SAVINGS OPTIMIZATION, CONTROLS, AND HARDWARE UPGRADES" has also been completed.

Also graduated is Julie Wallis with her Associates in Applied Science degree in Sign Language Interpreting and a second Associates degree in General Studies from Mott Community College. Julie has graduated with academic honors and was a member of Phi Theta Kappa.



Kevin Dunbar is currently the General Manager/Coach/Player of the Shelby Paint plays in an adult hockey league at the Great Lakes Hockey Center. The team began with a rocky start, but is now entering playoffs and hopes to advance to the finals.

Max and Annick's grandson, John Curt, celebrated his 1st birthday during May and was baptized on May 23rd. John is seen here with Dad (Paul), Aunt Jessica and sister Mary Margaret.



Mich-Again



Woodpeckers: cleaner-uppers and nest providers



(<http://birding.about.com/library/bl0701wpkr.htm?terms=woodpecker+clipart>)

Spring has come and the familiar sounds and nesting birds reverberate everywhere. Our woods echo of the tapping of woodpeckers boring and chiseling holes in dead trees at the speed and strength of a jackhammer. I've often wondered why they did not get a headache or fall off a tree while performing such a brutal task, haven't you? That's because woodpeckers are born with "shock absorbing" head musculature and stiff tail feathers to help keep them upright.

Wood peckers come in a variety of striking shapes and colors. They're the nest providers of the forested areas and friends of gardeners and home owners. Their presence is a fundamental requirement to the existence of many hole-nesting birds. They drill new holes each year that Purple Martins, Wrens and Chickadees claim as home for the season. They also benefit our environment by eating wood boring insects and other garden pests. A single "flicker" as this bird is often called, can devour thousands of carpenter ants in one day! This is a good bird to attract to your yard.

Contributed by: Annick Hivert-Carthew



OMEGA Productive Services, Inc.
MISSION STATEMENT

TO PROVIDE PAINT SYSTEM – PROCESS IMPROVEMENT SERVICES THROUGH CONTINUAL IMPROVEMENTS OF OUR QUALITY MANAGEMENT SYSTEM, TO ENHANCE OUR CUSTOMERS' SATISFACTION OF SERVICES PROVIDED; ON TIME, ON BUDGET, EVERY TIME.

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AMERICAN HERO



<http://www.mdw.army.mil/FS-A11.HTM>

“Our history is studded with heroic names. These names compose a world roster from which almost every nation may choose one and say: He is ours! We produced the clan from which he sprung. See how he spells his name! That is how his family spelled their name years ago, here, in this land.

The tale of heroism runs true from Valley Forge to Gettysburg. How is it possible to select one and say of him: He is the bravest of all?

Therefore I choose one who lies in Arlington beneath the inscription: ‘Here rests in honored glory, an American Soldier, known but to God.’

Of him we know three things: he was an American, he died for freedom, he sleeps in the comfortable keeping of the Lord of Hosts.

He is a symbol of heroic qualities, of the vision of Washington, of the humanity of Lincoln, of the courage of MacArthur, of the faith of Rickenbacker, of the sacrifice of Kelly. He is, moreover, a symbol of the common man who dies daily in order that freedom may not perish from the earth.”

- Mary West Jorgensen