



ALUMINATOR

Innovation in Extrusion and Refrigeration

2nd Quarter 2007

Bienvenidos Sparvel

▶ **Jeff Adams**

Director, People & Communications



"... we will endeavor to sell a condenser along with every evaporator we sell ..."

"We will endeavor to utilize our knowledge and experience with design and manufacturing of refrigerant components to optimize the cooling system for our customers."

Sentiments I have heard throughout my entire career at Brazeway. After numerous attempts to enter the condenser side of the refrigeration business, either through design or an acquisition, Brazeway is proud to welcome the well established and well respected business and product lines of Sparvel into our family.

In December of 2006, Brazeway announced the acquisition of Sparvel S.A. de CV. A few excerpts from the press release:

Sparvel, S.A. de C.V. of Querétaro, Mexico and Brazeway, Inc. of Adrian, Michigan announced the signing of a Definitive Sales Agreement for the purchase of Sparvel, a manufacturer of steel

wire on tube condensers for refrigeration products. Sparvel's facility, located in Querétaro, Mexico was founded in 1967, and is a major supplier to the North American Refrigeration Industry. Brazeway has announced its plans to maintain Sparvel's management team intact, to continue to operate out of Querétaro and to provide the capital necessary for growth.

"After the passing of our father, we have decided to sell the business and continue to concentrate on our individual business pursuits, interests and families" says Javier Cortina Azcarraga, President of Sparvel and son of the company's founder. "As a result, Sparvel will sell its highly integrated condenser manufacturing business located in Querétaro, Mexico to Brazeway, Inc. Sparvel, and the Cortina family, are very pleased to be selling the company to another family owned business that is culturally aligned to our own operational philosophies. We remain committed to supporting our customers impacted by this change and will work diligently with them to ensure a smooth transition of this business to Brazeway, Inc."

Stephanie Hickman Boyse, President of Brazeway, says the acquisition of Sparvel will increase Brazeway's refrigeration product offerings and puts both businesses in a

much better position to optimize the performance/cost ratio of a refrigerator's sealed system with global impact. "We'd planned to expand our presence in Mexico, and the purchase of Sparvel in Querétaro will bring us the products, customers and the additional location that we're looking for," says Boyse. "This acquisition will give us a combined product offering, technical capabilities to more rapidly innovate, and offers a significant contribution to Brazeway's global strategy of supporting our customers around the world with cost effective options."

Sparvel has a long proud history in the refrigeration business and currently produces both dynamic and static condensers as well as freezer shelves. Sparvel has successfully vertically integrated and in addition to producing high quality condensers and freezer shelves, has the production capabilities for steel tubing, steel wire, and multiple paint lines.

The acquisition has been a tremendous success for both companies and Brazeway would like to take a moment to welcome our new employees.

In the next Aluminator issue we will take the time to welcome the remainder of the Sparvel employees.

Bienvenidos!



ENGINEERING
Victor Merlín
Alejandro Galván
Odette López
Eric Quezada



PRODUCTION
Iván Espinoza
Victoriano Valencia
José Luis Núñez
Ignacio Soto

Alejandro Díaz
Martín Martínez
Gustavo García
Enrique Zúñiga
Basilio Santos



SALES
Claudia del Olmo
Hugo García



QUALITY
Roberto García
Jesús Moreno
Diana Maya
Humberto Ledesma

Lizbeth Bautista
Ángeles Guerrero
Nancy Rangel
Irma Valencia

Condenser Basics

▶ **Scot Reagen**
RBU Development Engineering Manager



Brazeway has a long history of being a world class manufacturer of evaporators and aluminum tubing. While much of the tubing produced is used in condensers, manufacturing complete condensers is new to Brazeway. With the acquisition of Sparvel, Brazeway is now a major supplier of condensers to the refrigerator OEM's.

Brazeway's evaporators absorb heat from inside of the refrigerator cabinet. Condensers reject that heat into the air around the refrigerator. In this way, the evaporator and condenser work together to move heat from the inside of the cabinet to the outside, cooling the inside. The heat is moved between the evaporator and condenser by a fluid called refrigerant, typically R-134a. The compressor pumps the refrigerant around the system from the evaporator to condenser and back.

Condensers operate in a different envi-

ronment than evaporators. The evaporator is typically inside the freezer compartment and becomes wet every time the refrigerator is defrosted. The moisture from defrosting can be corrosive, so a corrosion resistant material, such as aluminum, is required. The condenser is mounted outside of the cabinet and is rarely exposed to moisture. Under these conditions, steel can be used with a coat of paint over the part. The use of steel reduces material cost and simplifies manufacturing.

Refrigerator condensers are fabricated from steel tube and steel wires. The wires perform the same function as the fins in an evaporator, providing additional surface area for heat to be transferred between the tube and the air. The steel tube is formed and welded from a strip, while the wire is drawn from rod. The tube is bent into a serpentine shape, and wire lengths are welded to the tube. Welding offers a great advantage because there is no contact resistance between the wire and tube, as there is between mechanically fit fins and tube. The

welded wire and tube configuration offers an overall very efficient surface for heat transfer.

There are many different types of condensers. Static condensers are typically mounted to the back of the refrigerator, and the natural flow of air is used to transfer heat. Dynamic condensers are typically bent into a compact shape and mounted next to the compressor or under the refrigerator. A fan is used to draw air through the condenser. There are several popular shapes of dynamic condensers including multi-layer, spiral, wavy, and jelly roll. All of these are custom designed to meet customer requirements.

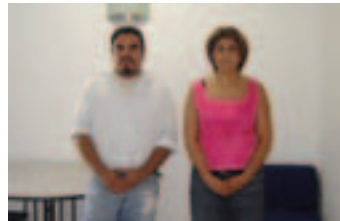
Manufacturing both evaporators and condensers opens many opportunities to work with customers to optimize system performance and cost. These opportunities are very exciting for everyone at Brazeway as we look forward to being able to add more value and better serve our customers.

Welcome Sparvel employees continued



TOOLING SHOP
Guadalupe Chávez
Eulalio Jiménez
Jesús Téllez

Omar Malagón
Gilberto Hernández
Jairo Basurto
Miguel Horta
Ricardo Mendoza



PURCHASING
Miguel Martínez
Teresa López



INFORMATION TECHNOLOGY
José Torres
José Luis Llaca

Ma de Jesús Suárez
Argelia Becerril
Julio Mendoza



ACCOUNTING
Blanca Montoya
Carolina Bravo
Araceli Pétriz



HUMAN RESOURCES
Oscar Romo
Alejandra Ramírez
Carolina Velázquez

Valentín Munguía
Isabel Godoy
Salvador Díaz



WAREHOUSE AND SHIPMENTS
Pablo Hernández
Gabino Ruiz
Juan Carlos Zúñiga
Francisco Hernández

Laura Rodríguez
Agustín Ramírez
Diana Hernández
Carmen Zarate
Raymundo Presa



MAINTENANCE
Juan Rodríguez
Alberto Núñez
José Antonio Galván
Francisco Gutiérrez
Cruz Ramírez

Delfino Ruiz
Alfonso Martínez
Andrés Zamora
Odilio Godoy
Sixto Rivera
Dolores López
Angélica Barcenas
Miriam Sánchez

2007 SCUFFY Campaign was a Success!

▶ **Amber Dile**
HR Administrator



Thank you to all BI employees for making our 2007 SCUFFY (Shelby County United Fund for You) campaign a success. Brazeway Indiana employees generously contributed \$7,100.80 to SCUFFY. Our gift helps fund organizations in Shelby county such as the Boys and Girls Clubs, Meals on Wheels, Shelby Senior Services and Head Start. With the generous dollar for dollar match from Brazeway, Inc., our total gift of \$14,201.60 helped SCUFFY reach its 2007 goal of \$754,000. Congratulations to our 8-Hour Team for contributing the greatest dollar amount per team: \$1,983. They will be recognized with a pizza party. Thank you again to all BI employees for your generous contributions and your continued support of SCUFFY.

Brazeway Adrian Support Local Chapter of Big Brothers Big Sisters

▶ **Kim Herbert**
EBU Administrative Assistant



On March 17, 2007, 12 employees and family members laced up their bowling shoes and put their retro bowling shirts on as they participated in the Big Brothers Big Sisters "Bowl for Kids." This event is not about bowling though. The Bowl for Kids event is the primary fundraising event in which all proceeds go to fund programs providing kids (littles) in need with a positive adult (big) role model. Kids who receive a mentor are proven to do better in school, avoid drugs and violence, and establish new goals for themselves.

Brazeway supports this event by sponsoring a lane and forming teams. Each team member is asked to raise pledges. This year's team brought in a total of \$1,355 and the grand total for the day's event was \$51,000. Way to go! Shar Dunbar brought in the highest pledges for our teams. Many door prizes were handed out and our very own Brazeway "Kingpin" trophy was handed out to Tim Vannatter for his standout performance over two games. The teams bowled two games with one played under purple light or "cosmic bowling." Congrats to all and thank you for your pledges.

Remember this is an annual event. We have fun and help kids! If you care about kids and can spare a little time for fun, then Bowl for Kids is right up your alley!



Back row L-R: Mel Herbert, Brent Dunbar, Tim Vannatter, Jeff Adams, Ty Bott, Mike Malarney
Front row L-R: Kim Herbert, Shar Dunbar, Bradley Vannatter, Mark Kremiski, Chuck Force, Michelle Malarney

Brazeway Kentucky Helping in the Community

▶ **Terryie Becks**
Administrative Manager, BK



Brazeway Kentucky has started off 2007 with fun, excitement and encouragement while helping the community. This year will be no different than those past with involvement in many fundraisers and other worthwhile causes.

The first event this year was with the At-Promise Female Program. This is a program administered by the local Chamber of Commerce and the area's public high schools. The program puts women in business into the high schools to speak with young women that are juniors and seniors encouraging them to continue their education. As in the past five years, women from Brazeway Kentucky volunteered their time and participated in this event. The speakers from Brazeway Kentucky were Dee Green, Theresa Matlock and Kim Meriwether. Brazeway Kentucky is proud of these caring women, two of whom are going to college themselves, are single parents raising their

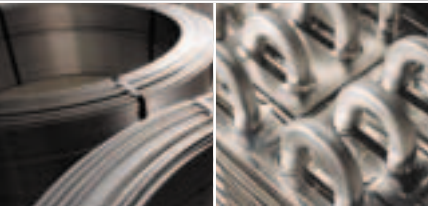
own families and employed full time. It is our hope that their efforts and encouragement can help other women to take advantage of opportunities that will lead to a better life.

Our next event was the Big Bowl-off for Big Brothers and Big Sisters on March 3rd. For over a decade employees from Brazeway Kentucky have participated in the Bowling for Buddies fundraiser. This year's team captain Jay Zilch led the group consisting of Dee Green, Ben Watkins, Diane Sutera, Sandra Crow, Jill Pope, Sharmin Sivils, Debbie Johnson, Ellen Skinner, Cindy Stroud, Felicia Earthman, Brenda Skipper, Danny Crick, Chris Crick and Terryie Becks, through a successful campaign. Along with collecting over \$1,000 for Big Brothers and Big Sisters, the team won the "Spirit Award". While having her best year at Bowling for Buddies with only six gutter balls, Terryie Becks joined the rest of the team in a loud showing of support with cheers and songs that bolstered the team to winning the prestigious "Spirit Award". A special "Thank You"



to these caring people that helped with this event and to all the employees who give their time to sponsor young boys and girls in our community through Big Brothers and Big Sisters.

Currently we have started our drive for the American Cancer Society's Relay for Life. This is a major event for Brazeway Kentucky each year and this year will be no different. Fundraisers at Brazeway Kentucky include a Hot Wheels NASCAR Race, a Texas Hold'em Poker game, and several bake sales and raffles. More on this in the next edition of the Aluminator.



Editors: Kathy Briggs, Angie Atkin,
Jeff Adams, Faxson Cockrell, Amber
Dile, Chuck Force, Kathy Hoover,
Joe McDougall, Tim Vannatter &
Miguel Villalobos

People News

Job Changes/Promotions



Matt Hammond has accepted the position of Quality Manager, for Sparvel in Querétaro, Mexico. Matt began working at Brazeway in January of 2000 as an Account Manager for the RBU. Matt has been a key contributor

to the RBU Sales Team; supporting others with a positive attitude and excellent work ethic. As the EHP account manager, he managed one of our largest single customers. As the Sub Zero account manager, he had an integral role in continuing to grow our share of the Sub Zero business, several times over. Matt actively contributes to our sales growth strategy and has a strong understanding of the markets we serve.

Matt holds a Bachelor degree in Business Administration from Western Michigan University. During his time as an Account Manager, Matt successfully received Six Sigma Greenbelt certification and has led project improvement teams.



John Armstrong has transitioned to the role of Plant Manager of the Brazeway Indiana plant. John has been with Brazeway since 2000 and has held the positions of Production Manager and Operations Manager.

He has been a vital part of Indiana's success over the last seven years. John holds a Bachelor of Science Degree in Industrial Technology from Iowa State University and also has training accreditation in lean and production management areas. John's new responsibilities will include the safeguarding of both the human and physical assets of our Indiana facility as well as embracing our PBL, Lean, Six Sigma and Quality philosophies in the pursuit of Operational Excellence.



Bruce Stricklin has transitioned to the new role of Quality and Six Sigma Manager. Bruce began working at Brazeway in 1984 and has held various positions such as Quality Control Inspector, Shift Supervisor,

Quality Manager and his most recent position as Extrusion Engineer. Bruce is currently working on his Bachelor's Degree in Mechanical Engineering

Technology. In his new role, Bruce will be responsible for the Adrian quality system and LEAN Six-Sigma activities.



Amber Dile has assumed the new role of HR Administrator, BI. Amber began her career at Brazeway in 2001. As Administrative Assistant, Amber has successfully maintained

Accounts Payable, purchasing, production records, and inventory control. She has also been vital to the success of the Fun Team in Indiana. Amber recently earned her BS in Business with a concentration in Management/HR Management, from Indiana University. Amber's new responsibilities include administering payroll and providing administrative support of human resource functions for production employees.



Jill Gobel, has assumed the new role of Production Control/ Customer Service Coordinator. Jill joined Brazeway in 1993 as Administrative Assistant and was promoted to Office Coordinator in 2000. Through the years, she has

played a key role in coordinating the plant administrative activities including payroll, benefits, and customer service. Jill recently graduated from Ivy Tech State College with an Associate of Applied Science Degree in Business Administration with a Management concentration. In her new role, Jill will be responsible for coordinating activities to meet Brazeway's production control and customer service objectives through production planning, purchasing, inventory control, shipping, and invoicing.



Darrell Seger has transitioned to his role as EBU Manufacturing Project Leader to BI. Darrell started working with Brazeway in July of 2002 as Manufacturing Services Manager for the BA Plant. Darrell has been in his current position since March of 2006. Darrell will continue to be responsible for assisting the engineering department in the development of new processes and products, improvement of existing processes and products, customer support activities, cost reductions, and plant support activities.

Darrell and his family will be relocating to Shelbyville in the near future.

New Hires Brazeway Indiana

Jarrold Brattain
Tommy Macklin Jr
Joshua Bettram
Jeffrey Shepherd

Retirement



Milan Virsik has retired from Brazeway after 28 years of service. Milan joined Brazeway in 1979 as Director – Machine Design Engineering. As his career progressed within the engineering department, Milan made many

unique contributions that were critical to Brazeway's growth and success.

As the "go to guy" for the sales and engineering group, to make their ideas evolve from concept to reality, it is hard to step foot in any of our operations without seeing something that Milan has put his fingerprints on.

Milan's passion was fin dies and stamping presses and his commitment to detail and organization was evident, right down to his always-tidy desk. He is also well-known in the machine building community and was instrumental with our current machine builder supply base. Thank you, Milan, for your many years of dedicated service to Brazeway. We wish Milan and Kathy all the best in the years to come. Milan will be missed.

Brazeway Adrian Plant Retirements

Brazeway Adrian has recently celebrated retirements of two long-term employees.

Larry Morton retired from Brazeway on March 30th, 2007. Larry was hired in 1967 and throughout his career worked various general production positions throughout the plant.

Lloyd Peavey retired from Brazeway on his birthday - May 17th, 2007. Lloyd also began his career at Brazeway in 1967. Through the years, he worked in various positions within the press department.

Many thanks to Larry & Lloyd on their 40 years of service with Brazeway. They both have been involved in many changes over the years and have been an integral part to the Brazeway Adrian team. Their contributions and presence in the plant will be missed.

Congratulations to you both and best wishes for a happy and healthy retirement!