

frontline



miamisburg mound community improvement corporation

summer 2005



total commitment the norm for mound's go-to guy

The front-line battles of the Cold War were fought – and won – right here in the greater Dayton community by skilled and dedicated Mound scientists such as Dr. Richard Carlson.

Hired in 1964 as a chemist directly out of the University of Cincinnati's doctoral program, Carlson became a go-to guy for tight-deadline projects involving the development of highly technical new products and processes.



Living in his lab

In the first such project, he was to develop a process for creating large crystals of materials that would make some weapons more powerful. His approach to meeting the project's ambitious schedule was the only one that made sense to him: He lived in his laboratory at Mound for three months, sleeping on a cot in a dark room five days a week and going home for weekends with his family.

"It was fun because I was on my own and could work away at it," he said. "The security people got used to seeing me around here all hours of the day and night."

(Please see "Dr. Carlson" on page 2)

Dick Carlson, a Mound chemist for 30 years, was never daunted by the challenging assignments given to him by his supervisors. He just rolled up his sleeves, camped out in his lab for months at a time and got the job done.

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mound companies tapped for third frontier program

Fuel-cell test systems

The last issue of *Frontline* reported that a business partnership involving two Mound companies was seeking support from Ohio's Fuel Cell Initiative for the development, manufacture and marketing of next-generation fuel-cell test systems that utilize Department of Energy-Mound

spin-off technologies and nine years of commercial innovations by the companies. The proposal submitted by Mound Technical Solutions and Inorganic Specialists was successful, and the



(Please see "Third Frontier" on page 2)



(“Dr. Carlson” continued from page 1.)

Maximizing a business opportunity

During his career, Carlson immersed himself in several more such projects, including the development of titanium subhydride, a pyrotechnic substance still used today to make detonators and igniters for the military and aerospace industries. In fact, it is now the main product sold by Carlson’s company, Wheatville Technology Inc., which he started in 1994 after Mound’s closure was announced. The company also provides microscopy services to help manufacturers identify impurities that are causing product flaws.

‘I love Mound’

The New York native served for seven years in the U.S. Coast Guard after completing his undergraduate studies at Columbia University in 1953. He went on to study chemistry at Baldwin-Wallace College, where he met his wife of 42 years, Anna. The couple has four daughters and six grandchildren.

Even though decades have passed since Carlson put his own life “on hold” to help his country gain an advantage in the Cold War, his loyalty is as strong as ever. “I love Mound,” he said. “These people were my brothers and sisters. We would have done anything for each other.”

(“Third Frontier” continued from page 1.)

partners have been awarded a grant of \$600,000 to pursue the two-year project as part of the State of Ohio’s Third Frontier Program.

Additional project collaborators are Case Western Reserve University, the University of Dayton Research Institute, Sinclair Community College, Battelle Institute, Edison Material Technology Center and MMCIC.

Laser microfabrication

For the past five years, Mound Laser and Photonics Center Inc. (MLPC) has been developing a laser microfabrication capability to meet the needs of both the Department of Defense and the commercial marketplace. The work has been made possible through a



Specialized space, including wet and dry laboratories, are available for lease at the Mound Advanced Technology Center.

The environmental cleanup work at Mound is nearing completion, and a new phase of redevelopment is underway. While the occupancy rate remains high – nearly 90 percent of available space – a substantial amount of real estate will soon be transferred to MMCIC.

Availabilities include:

- shovel-ready building sites
- generic office space
- wet and dry laboratories
- Class 1000/10000 clean room
- +/- 20,000 ft² raised floor data center

- 150-seat auditorium
- cafeteria.

MMCIC has just listed for lease (with tentative availability in October 2005), Building 102, a two-story, 10,320-square-foot office building, constructed in 1989 and located on Mound Road.

For more information about MATC building sites and available space, please call us at 937-865-4462 or 1-800-708-1643, or visit our web site at <http://www.mound.com/html/availability.htm>.

combination of an Air Force-sponsored Small Business Innovation Research program, which provides research and development funding for small technology companies, and MLPC investment.

But even as the company makes advances in microfabrication for defense purposes, it must also develop-concurrently with the technology- additional government and commercial customers. That’s where a \$175,000 grant from Ohio’s Third Frontier Program will help. It will fund the company’s marketing efforts over the next two years, including travel for face-to-face visits with potential customers, trade shows and other communications.

Student intern works on the microfabrication of a medical device.





Eric Cluxton brings banking and economic development experience, as well as close ties to the community to his position as MMCIC board member.

newest board member returns to roots

Eric Cluxton remembers well growing up in Miamisburg when the work going on at Mound was shrouded

in mystery. Now, as one of the newest members of the MMCIC Board of Trustees, he is helping to guide the site's future.

"I was intrigued and honored to be asked to be part of the organization," he said. "At first I knew nothing about it, but now I'm genuinely impressed with what has been accomplished."

A 1977 Miamisburg High School graduate, Cluxton has deep roots in the community: his father, Ray, was employed by Farmers and Merchants Bank for 55 years, serving in positions that included chairman, CEO and president.

The younger Cluxton launched his own banking career after graduating from Miami University in 1981. At the time industry consolidation was in the offing, and

advancements took him to positions in Indianapolis, Portland, Oregon, and Cleveland. He returned to Dayton in 2000 as president of Key Bank. Soon after, he was tapped as senior vice president for retail services for Fifth Third Bank.

In addition to his banking background, Cluxton brings to the MMCIC board experience in economic development and political networking. He chairs the board of Wright-Dunbar Inc., an organization pursuing redevelopment in Dayton's Third Street area.

"I'm hopeful that some of the networks and congressional contacts I've developed will come in handy for Mound," he said.

Cluxton also volunteers for the boards of the Alliance Community Schools, the Montgomery County Transportation Improvement District, the Carrillon Historical Park and Hospice of Dayton. He and his wife of 23 years, Dana, have three children.

"I grew up in Miamisburg," he said. "Now I want to help drive the economic cycle that will restore the Mound site as a vibrant, productive community asset."

turner announces funds for final cleanup



Representatives Mike Turner and David Hobson have made Mound's cleanup a Congressional priority. Here, Turner poses with MMCIC officials during a recent visit to the site: (l-r) president Michael Grauwelman, Mayor Dick Church, Rep. Turner, board member Bob Faulkner and board chairman John Weithofer.

After ongoing discussions with MMCIC officials and a visit to Mound earlier this spring, Rep. Mike Turner has announced that the House Appropriations Energy and Water subcommittee has approved \$30 million to complete environmental cleanup in the area of the Mound site known as Operable Unit-1 (OU-1). This represents a critical first step in the funding process, which will require approval by the full House and Senate as well as President Bush.

"OU-1 is the last outstanding issue in the completion of environmental cleanup at Mound," said MMCIC Board member Don Koller. "We appreciate the efforts of representatives Turner and Hobson, as well as Miamisburg Mayor Dick Church, to include this funding in the appropriations bill, and we look forward to its passage."

tenants," said MMCIC President Michael Grauwelman. "We are especially excited about the potential for collaboration between our organizations in support of the State's Third Frontier program."

state, mmcic officials discuss collaboration

When Ohio Department of Development officials visited Mound recently, they anticipated getting a site progress update, learning about site tenants' scientific capabilities and exploring key areas of alignment with the State's economic development strategy. By the end of their visit, Pat Vallente, deputy director of development and Michael McKay, team leader for the Ohio Fuel Cell Initiative, had not only met their objectives, but also discovered a wellspring of potential for the State's Third Frontier Program.

In fact, since the visit, a \$600,000 Third Frontier grant has been awarded to a team that includes Mound Technical Solutions and Inorganic Specialists, both Mound tenants, as well as the MMCIC. The project involves the development, manufacture and marketing of a comprehensive fuel cell testing system. Meanwhile Mound Laser and Photonics Center had earlier received a \$175,000 grant to market its laser microfabrication capability.

"I appreciated the level of interest expressed by the ODOD in the Mound site and our





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mmcic: 'doing its part'

Joining other local businesses and organizations, MMCIC has helped to sponsor the Tour d'Burg, the June 26 extravaganza of bicycle events that brought to Miamisburg the Midwest's finest bicycle riders and thousands of spectators. Among the day's highlights were eight officially sanctioned races through the city's historic downtown.

"We believe it's important for MMCIC and the Mound Advanced Technology Center to be active and visible in the community," said MMCIC Marketing Director Bert Kollaard. "Residents of Miamisburg and surrounding communities need to be aware of the tremendous progress being made in redeveloping and restoring the site to a productive asset for the community."

The event was organized by the Miamisburg Merchants Associations, a nonprofit organization dedicated to revitalizing the community's downtown area.

