

And the winners are... NECA Awards of Excellence

From the installation of lighting to the more complicated structured cabling systems, electrical construction is critical to our daily lives. The most qualified electrical contractors in the Dayton area are members of the Western Ohio Chapter, National Electrical Contractors Association (NECA). The quality of their work is unsurpassed because their employees are the best trained, drug free, work force in the country. These outstanding workers are members of the International Brotherhood of Electrical Workers (IBEW) Local 82.

This issue of *Connections* is dedicated to showcasing the projects and people that are essential to keeping us up-and-running.

Healthcare

Chapel Electric Company
www.chapel.com
Project: Atrium Medical Center, Middletown, Ohio

Chapel brings its national healthcare expertise to the local market. Having completed twelve major healthcare projects on a national level in the past 20 years, Chapel was able to utilize its vast electrical and technology healthcare experience on the recently completed Atrium Hospital, Middletown, Ohio. Construction on Atrium Medical Center officially began on June 8, 2005, with a

ceremonial groundbreaking. Since that time, the approximately two and half year construction remained on time and on budget. The facility opened on December 9, 2007.

According to Sr. Project Manager Gene Speight, the final installation included:

- 18,000 amperes of Electrical Service
- 4 - 1500 KW Emergency Generator power
- 66 miles of distribution cable
- 400 miles of branch circuitry wiring
- 6 miles of cable tray for low voltage systems wiring
- Over 12,000 light fixtures
- Over 15,000 light switches and power outlets
- 75, 35-foot Pole Lighting for the 42 acre site.

While the new \$195 million, 5-story, 250-bed Atrium Medical Center is the centerpiece of Premier Health Campus-



Atrium Medical Center

Middletown, it is one of nine other facilities currently planned for the 190-acre campus. Construction on these

other buildings began in September 2006 and will continue through 2008 when the last building is scheduled to open.

Chapel participated in construction on the following ancillary buildings:

- Behavioral Health Pavilion
- Bidwell Surgery Center (Outpatient Surgery)
- Cancer Center
- Dayton Children's Outpatient Center
- Medical Office Building.

Kastle Technologies
www.kastle-group.com
Project: Atrium Medical Center, Middletown, Ohio

Premier Health Partners (PHP), a large health system serving southwest Ohio communities by improving the quality, affordability, and accessibility of healthcare, completed and put into service the new Atrium Medical Center. The medical campus will provide a unique blend of community partnerships for medical services, technology, senior housing, and health career education.

Kastle Technologies was awarded the Technology Package to install a CommScope Systemax Structured Cabling System (SCS) to support the High Speed Data Network, VoIP Communications, Copper

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Outstanding Performance Awards

It goes without saying that a company is only as successful as its people. Congratulations to the following wiremen for their outstanding performance in the field.

Charlie Toon

1946 - 2007

Kastle Electric Company

Doug Holland

Project Foreman

Studebaker Electric Company

Tom Kathmann

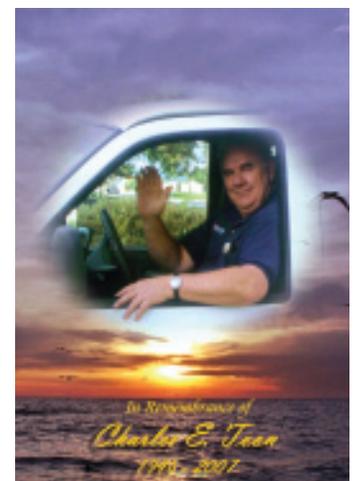
Supervisor

Chapel Electric Co.

Phil Lahrmer

CFO

Studebaker Electric Company



Charles "Charlie" Toon

1946 - 2007

Kastle Electric

Charlie, also known affectionately as Butch and Nic, passed away

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Awards *cont'd*

Backbone, Fiber Optic Network, Nurse Call System, Audio Visual, CATV, MATV and the Fiber Optic Campus Network. Contracted directly to Premier Health Partners, Kastle Technologies provided a twenty (20) year parts, labor and application warranty. The Structured Cabling System included:

- 2,000,000 feet of CAT 6 Data Cable to support the high speed data requirements.
- 360,000 feet of CAT 5E for the Nurse Call System.
- 33,000 feet of high pair count Copper Backbone to support special circuits.
- 105,000 feet of high strand count Multimode and Singlemode Fiber Optic Cable for high speed and large bandwidth applications.
- 675,000 feet of Coax Cable to support CATV/MATV applications.
- The systems included over 30,000 Copper Terminations and 4,000 fiber optic terminations.

In addition, Kastle Technologies installed, certified and provided the extended warranty for a Systimax Structured Cabling System for Premier Health Partners at the new Miami Valley South Health Center that opened September 30, 2007, in Centerville, Ohio.

Kastle Technologies is the largest provider of large, complex Structured Cabling Systems in Southern Ohio. With offices in Dayton, West

Chester and Columbus, Ohio, Kastle Technologies has completed multiple large projects including The Great American BallPark, Duke Energy Center, CitiBank Florence Call Center, JP Morgan Chase Data Center and multiple 5th/3rd Bank Call



The Atium Medical Center

Centers, Data Centers and the Corporate HQ Tower. Kastle Technologies was recently awarded the Structured Cabling System for the new CareSource Corporate HQ and Data Center in Dayton, Ohio.

Aztec Electric **www.aztecelectricinc.com** **Project: Dayton VA Medical Center**

Aztec Electric's services include power wiring, high voltage, lighting, grounding, motor controls, fire alarm, security, telephone/data, fiber optics and emergency generators. Aztec is a certified Minority Business Enterprise.

The Dayton VA is the third oldest VA Medical Center in the country, having accepted its first patient in 1867. The Dayton VA provides a wide range of inpatient and outpatient services, including medicine, surgery, neurology, physical medicine, rehabilitation, mental health, and long-term care. They have recently been upgrading the facility.

Aztec Electric has had a long-standing relationship with the Dayton Veteran's Hospital. Last year they installed a new Nurse Call System for the entire facility.

This year they worked on a renovation project of the long-term care facility. The area was completely remodeled and included new receptacles and lighting; telephone/data cabling; and new fire alarm system. "The biggest challenge," says Aztec President George Minarcek, "was maintaining existing circuits. Everything in the facility, including security doors, had to be kept up and running during the entire upgrade."

A new upcoming project involves a remodel of the Emergency Room. This project will include installation of a new Nurse Call System; security; regular electrical upgrades; intercom; and fire alarms. In addition, Aztec will be installing medical examination lights. Renovation of an Emergency Room is extremely sensitive because the entire area must be functioning at all times during the remodel. Dust and debris is a constant problem and work areas must be completely sealed to avoid contamination of the surrounding area.



Dayton Veteran's Medical Center

Aztec also completed installation of a 15kv high voltage underground system at the VA in Chillicothe this year. They had to remove the old system and replace

underground duct work, switch gear pads and transformers.

Industrial

Wagner Industrial Electric **www.wagner-ind.com** **Project: Greenville Ethanol Plant**

Wagner Industrial Electric (WIE) has extensive electrical construction experience in a variety of well-established industries. WIE is also proactively pursuing projects in the growing renewable



Greenville Ethanol Plant

energy sector. As our country becomes more dependent on foreign oil, the search for renewable energy is the focus of many research groups. The U.S. Government is mandating a 25% reduction in the import of foreign oil by the year 2012. Ethanol and bio-diesel are front-runners in the search for alternative fuel.

WIE recognizes the potential of renewable energy and has a strong interest in developing these sources. To this end, WIE recently worked on the development of an ethanol plant in Greenville, Ohio. As the prime electrical contractor on the site, WIE provided all temporary power, the primary distribution system, all power wiring, control wiring and instrumentation. They also installed all telephone, communications and fiber optic networks throughout the

CONNECTIONS

January, 2008

Your comments, suggestions and questions are welcome! Contact the Western Ohio Chapter - NECA.

e-mail: wocneca@choiceonemail.com
website: www.wocneca.org
phone: 937-299-0384
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facility.

The Greenville plant will process 110 million bushels of corn each year. The project was completed in 14 months, with the help of sixty electricians. The plant will employ approximately 40 full time people and operate 7 days-a-week, 24 hours-a-day. The project is in its final stages of testing and will be one of the first ethanol plants in Ohio to go online.

Project Manager was John O'Meara and Project General Foreman was Terry Paxson. "This was an exciting project," says John, "because it is the first ethanol plant to be operational in Ohio and it will supply our country with a renewable energy source."

WIE is also working on ethanol plants in Kansas, Indiana and a bio-diesel plant in Wyoming.

Government

ESI Electrical Contractors www.esielectrical.com

Project: Montgomery County Juvenile Justice Center, 389 W. 2nd St., Dayton, OH

ESI provides the entire spectrum of electrical installations, from wiring and control systems to telecommunications installations.

ESI recently completed the new 230,000 sq. ft. Montgomery County Juvenile Justice Center. The ribbon cutting ceremony took place on January 3, 2008. The project encompassed 14 courtrooms and a 156-bed lock up area over three floors for juvenile offenders. Installations included over 70 miles of conduit and 435 miles of power and security wire. Other building features include 322,000 feet of telecom/data cabling; 3,500 light fixtures;

5,400 wiring devices; and 2,400 feet of cable tray. The state-of-the-art security system provides control of the following security features: 650 intercom stations; 230 surveillance cameras; 120 duress devices; 650 locking doors; 14 master control



Montgomery County Juvenile Justice Center

stations; and five elevator control panels.

The greatest challenge on the project was to install the very complicated security system so that it provided the greatest degree of reliability for the long term and did not become cumbersome to install.

General Foreman for the project was Bill Root. His organization, diligence and knowledge of the industry made for a seamless installation and start up of all the specialized building systems, including the security and door controls systems.

CRT Technologies (Chapel Romanoff Technologies) www.crtechcorp.com **Project: AFIT, Wright Patterson Air Force Base**

Chapel Romanoff Technologies provides a complete line of systems integration including design, install and service of voice/data, audio and video systems, security, life safety, and monitoring systems. CRT's clients include leading corporations and institutions

in technology-dependent markets, including defense, financial services, data management centers, biotech/healthcare, and institutional industries.

CRT (Chapel-Romanoff Technologies) has been working on an AFIT renovation. The extensive remodel for one wing of AFIT houses a graduate school dedicated to providing responsive, defense focused graduate education and research capabilities to help sustain the technological supremacy of the USAF.

CRT provided and installed a new hybrid fiber-optic backbone, multi-air copper and rework of an existing RF distribution network between existing



Alder Graduate Building

campus networks and new communication closets in this 130,000 sq. ft., three-story wing campus. This project required intricate planning and coordination; ensuring project timeline requirements and customer expectations were maintained to ensure success and zero interruption of the existing network facilities. Seven dedicated communication closets, one SCIF location and over 28,000 Cat 6 data cables, 14,000 Cat 5E voice cables and 220 locations of fiber-to-desk were installed for work areas in support of EIA/TIA and WPAFB standards.

Specialty Contracting

Maxwell Lightning Protection www.maxwell-lp.com **Project: Lucas Oil Stadium**

Established in 1963, Maxwell Lightning Protection is one of the largest and most reputable companies nationwide in the lightning protection industry.

Maxwell recently completed a very unique project installing lightning protection at Lucas Oil Stadium, the football stadium for the Indianapolis Colts. The project included the setting of four, 70-foot steel masts along with two 20-foot aluminum masts, all shipped in from Texas. The top of each mast has a lightning mast and aviation lights. Two cranes in the middle of the stadium were used to set the masts. Each mast has two down conductors in conduit going to the exterior ground loop and triangular arrays at ground level. The roof of the stadium is retractable.

This project was a team effort including employees at Maxwell Lightning Protection and other Union contractors in the other trades: Barth Electric; DPI iron workers out of Dayton along with iron



Lucas Oil Stadium

workers from the Indianapolis Local; and two crane operators. "So next year when you are watching the Indianapolis Colts on television, check out the masts installed by Maxwell," says owner Wayne Maxwell. "It's quite a stadium."

Performance *cont'd*

unexpectedly on November 3, 2007. His accomplishments began at an early age. As a graduating senior from Anniston High School, Charlie was recognized at the Missouri High School Basketball Tournament as the best re-bouncer and best scorer and was selected to go to Boys State. During the 1963-64 basketball season, Charlie scored 655 points!

A proud member of IBEW Local 82, Charlie held several offices at Local 82 including: President; Vice President; Joint Apprentice Training Instructor; Health and Welfare Committee member; and was currently Treasurer serving on the Executive Board, Credit Union Board of Directors, Recreation Committee, Chairman and Delegate to the IBEW International Convention.

Charlie worked as a construction electrician for 39 years with Kastle Electric, where he made numerous friends that have become a part of his extended family. Charlie was also active in the community as a coach for little league baseball, girl's softball and pee-wee football.

Always a smile on his face, a great friend and a great man. Charlie will be missed.

Doug Holland

*Project Foreman
Studebaker Electric Company*

Doug Holland has been in the electrical industry for 28 years, with 26 years at Studebaker Electric. He served as Project Foreman for Key Bank for 13 years and National City Bank for 10 years. Doug has been responsible for working with the customer and other trades, as well as overseeing the electrical and teledata aspects of all projects. These range from simply adding a work-station to complete building renovations; computer room, UPS and Emergency Generator Systems; and all tailored to meet the customers needs and installation schedule.

Doug is, and continues to be a valuable part of Studebaker Electric and our "One Call" approach with the goal of Excellence in Service. He has completed the JATC Electrical Apprenticeship Training, 30-hour OSHA Safety Training, First Aid & CPR training, as well as being Siemon Data, AT&T Fiber Optic and Fire Alarm certified. Doug has been married for 26 years and has two children and three grandchildren.

Tom Kathmann

*Supervisor
Chapel Electric*

Thirty – five years ago Thomas H. Kathmann was hired as a journeyman electrician by Chapel Electric Co., LLC. He had recently completed his 4-year apprenticeship program. In an industry where employment is cyclical at best, Tom proved from the beginning that he was committed to becoming one of Chapel's next generation supervisors. After numerous successful high profile projects and 35 years, Tom decided to retire in 2007.

Tom's first assignment was the Trinity Retirement Center project, working for one of Chapel's first generation



Doug Holland



Tom Kathmann

superintendents Jim Richied Senior. Jim was considered tough but fair. He was the second Chapel employee hired by the founder of Chapel, so working with him proved to be challenging to the new Chapel employee. However, it established the foundation for Tom's "big" project capabilities.

Since those early days, Tom has been the superintendent on many of Chapel's and the area's most high profile projects. Successfully supervising electrical and special systems installations for; Dayton Daily News Print Technology Center, Miami Valley Hospital Women's Berry Pavilion, renovation of the historical Dayton Art Institute, Panasonic Expansions, and most recently the largest hospital project (Middletown Regional) built in the past 35 years in Southeast Ohio.

So, after thirty five years of exemplary service Tom decided to retire upon completion of this latest edifice. He decided that he was "Going Out on Top" with this completion and reaching the 35-year milestone with one company.

Phil Lahrmer

*CFO
Studebaker Electric Company*

Phil Lahrmer has been in the electrical industry for 17 years, 14 years with Studebaker Electric. Phil is serving as Controller/CFO and is responsible for the accounting and finance functions of the company. He is also General Manager of TEGG Protective Services for Studebaker Electric.

Phil enjoys gardening, roller-blading and spending time with his wife Bev and their pets.



Phil Lahrmer

The Western Ohio Chapter - National Electrical Contractors Association Directory:

NECA Members

Aztec Electric, Inc.
Chapel Electric Company
Chapel-Romanoff Technologies
ESI Electrical Contractors
Freedom Electrical Contractors
High Voltage Maintenance
Kastle Electric Company
Kastle Technologies
Lake Erie Electric, Inc.
Maxwell Lightning Protection
Mutual Electric Company
Reliable Electrical Mechanical
Studebaker Electric
Wagner Smith Company
York Electric, Inc.

Affiliate Members NECA

Becker Electrical Supply
Copp Systems Integrator
FD Lawrence Electric Company
Graybar Electric Co., Inc.
Heapy Engineering LLC
Riffle & Associates
Square D / Schneider Electric
Uptime Solutions

Contributing Contractors

Automated Controls
Integrated Control Solutions
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M.B.A. Electric, Inc.
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Productive Electric, Inc.
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