

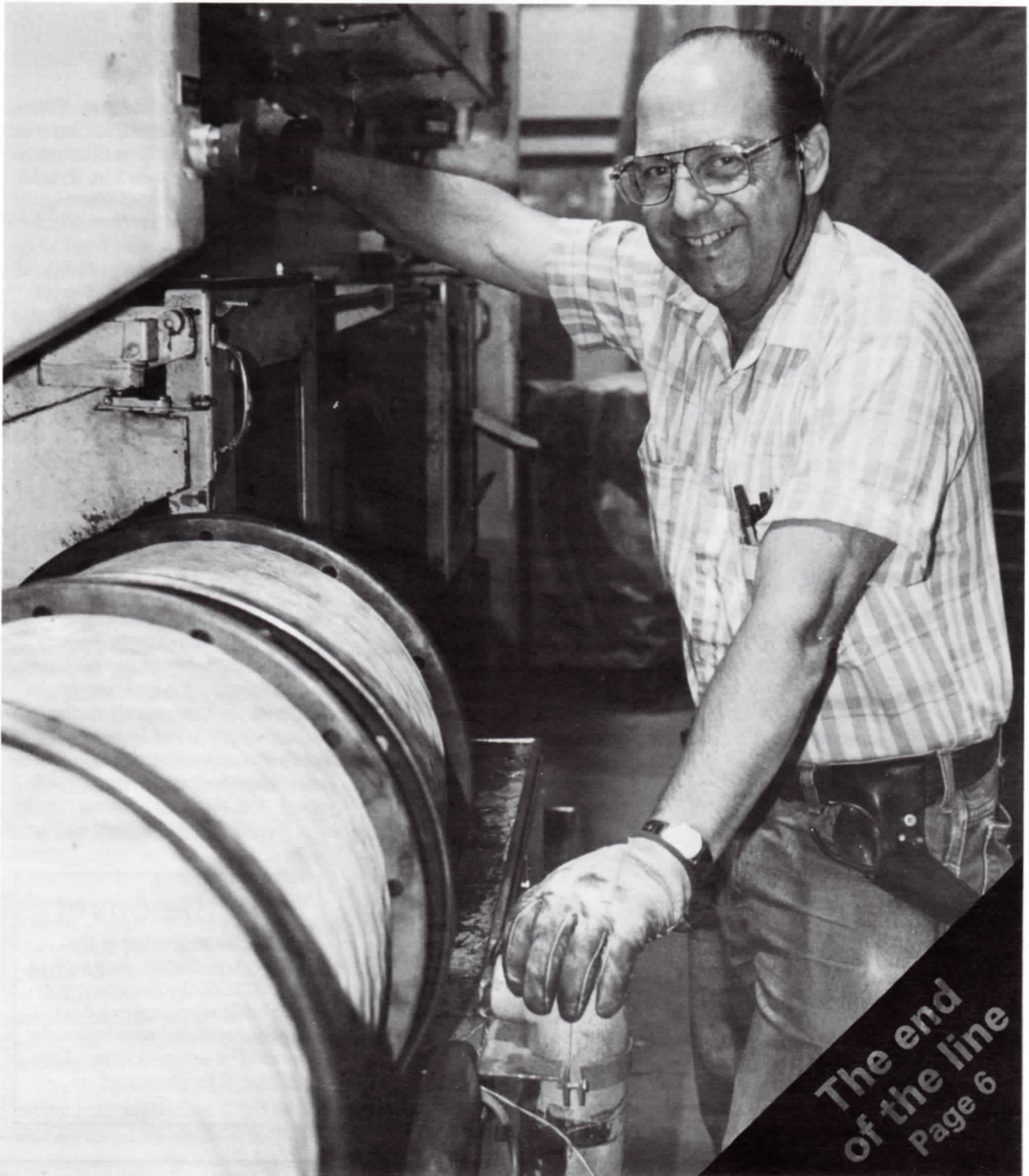
THE HEADLINER

Lucent Technologies
Bell Labs Innovations



Omaha Works

July 1997



The end
of the line
Page 6

Photo by Linda Ryan

Works announces two promotions: Schmidt, Grothe

Connie Schmidt is the Omaha Works' new material management and customer service director, and Marcia Grothe has been named Global Provisioning Center (GPC) project manager.

Schmidt was promoted from manager, customer service, effective July 1, 1997. In her new role, she will support the company's global distribution efforts, including the Works' GPC and our distribution operations in Hilversum and Singapore. She also will support the implementation of SAP at the works, an integrated software program that addresses financial, purchasing and inventory management systems.

Grothe, formerly a customer service supervisor, is responsible for



Connie Schmidt



Marcia Grothe

managing the implementation of the whole order delivery process for Omaha GPC products. She also directs activities associated with improving all customer service metrics and provides support and training for our order management systems. Her promotion was effective June 15, 1997.

LRQA conducts ISO 9001 audit

Lloyd's Register Quality Assurance (LRQA) conducted its ISO 9001 surveillance audit of the Omaha Works in mid-July.

A previous surveillance audit non-compliance note, pertaining to the shelf life of paint in the cabinet shop, was cleared. However, the Works picked up two more non-compliance notes, both in the electronic wire and cable (EW&C) shop.

One note pertains to an inconsistency in machine temperature settings vs. layout specifications in plenum insulate. The other note calls attention to incomplete quality test results in plenum twist.

The audit paid close attention to the plenum cable area, in conjunction with the Works' effort to certify plenum products in the United Kingdom.

The primary focus of the next audit, scheduled the week of Dec. 15, 1997, will be shipping in the Omaha Global Provisioning Center (GPC). The audit also will review EW&C's loose wire area, the quality assurance (Q.A.) product audit area, and the cabinet fabrication area.

Safety Makes Sense winners named

The list of winners in the Safety Makes Sense contest continues to grow. Sponsored by the Omaha Works Union/Management Safety Committee, the contest awards prizes to employees who correctly answer safety-related questions.

The contest is in Phase II, which began June 2 and continues for 12 weeks through Aug. 24, 1997.

Winners in the first seven weeks are as follows:

Week 1—Rex Ruth, William Witte, Ronald Proctor, Bill Brink, William Garza, Gilbert Romero.

Week 2—Joseph Piechota, Pamela Amos, Robert Guyton, Douglas Dworak, Robert Belik, Brenda Boger.

Week 3—Shirley Paulison, Stanley Swoboda, Christine Faust, Robert Ludlow, Anthony Mackey, Martha Adair.

Week 4—Robert Rodaway, Dean Frye Jr., Joyce Schaben, Lillian Schott, Judy Bauer, Kurt Stratton.

Week 5—Jacklyn Larkin, Donald Dilla, Dolores Garcia, Gilbert Bruening, Alfonso Sanchez, Matthew Lampe.

Week 6—Harold Davis, Judith Devault, Rosemary Smith, Gerald Stockwell, Daniel Jacobs, Richard Raven Jr.

Week 7—John Winchester, Sharon Swingholm, Steven Prerost, Diane Bare, Donald Schultz, Brett Bisailon.

Call for entrants: Team Celebration annual AQT event

Calling all AQTs! There's still time to sign up for Team Celebration, an annual AQT (area quality team) competition. The competition is designed to highlight and recognize teams' significant business results and how they use quality methodologies to improve our business.

Three levels of recognition will be awarded—bronze, silver and gold. Gold level teams will have a chance

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THE HEADLINER

The Headliner is an internal publication of the Omaha Works, produced monthly by the public relations department and printed by the Works print shop.

Your comments and suggestions are welcome and should be directed to:

Linda Ryan, Editor
Ext. 3795

The next issue will be published on Aug. 20, 1997. All news items should be in to the PR office by no later than 9 a.m. Monday, Aug. 4, 1997.

On the cover

Ray Bohac, the last of the original irradiation vault crew members in the electronic wire and cable shop, makes a final run of irradiated wire before the process ceases operation. Turn to Page 6 for the complete story.

Heimlich maneuver to the rescue

Co-worker averts choking tragedy

One minute Linda Miller was trading friendly barbs with co-worker Mike Francavilla as they ate lunch in the cafeteria. Then, in an instant, Miller found herself just four minutes away from permanent brain injury or even death.

Those next four minutes might have ended with tragic consequences were it not for the quick and clear-headed action of Francavilla. He performed the Heimlich maneuver on Miller, successfully dislodging a piece of food that was trapping her windpipe and literally choking her to death.

"We had just sat down and started to eat," recalled Miller, who works in the central office connectors area of IBU C14. Something got stuck as she swallowed, so she tried to clear her throat.

Something is wrong

Francavilla, who operates an automatic wire wrap machine in the same IBU, noticed Miller was having some difficulty, "but I thought she was just politely clearing her throat." But when Miller took a sip of water to try wash down the food particle, the liquid came out through her nose.

"Are you in trouble?" Francavilla immediately asked her. "Do you want the Heimlich?"

By the time Miller could nod "yes" (she couldn't speak, a sign someone is choking), Francavilla had already made his way to her side of their table. While others around them watched in dismay, she stood up, knowing what he was about to do.

From behind and circling her waist with his arms, Francavilla made a fist with one hand and held it tightly with the other. He made two quick upward thrusts into Miller's upper abdomen.

The first one didn't work. "I wasn't sure how much force to use," he said. He did know, however, that time was running out and remembers thinking, "I've got to do this!"

With the second upward thrust,

WHAT ARE FRIENDS FOR?...Linda Miller is most grateful to Mike Francavilla for coming to her aid with the Heimlich maneuver when she was choking on some food during their lunch break.



Photo by Linda Ryan

Miller expelled food and liquid and she could breathe again.

"Mike escorted me to a restroom to freshen up," Miller said, adding that she was understandably shaken—otherwise physically unscathed—and somewhat embarrassed about causing "a commotion" during the daytime lunch period. "But I've got to tell you, when Mike came to do the Heimlich, as far as I'm concerned it was just Mike and me in that room."

Miller wrote a public thank-you to Francavilla and posted it on her department's bulletin board. She also gave him a medal of recognition, as thanks from her family (a husband, five children and 10 grandchildren).

Scout training

Now Francavilla is the one embarrassed by the attention his deed has stirred. Still, he's glad he was able to help a friend with the Heimlich, a technique he said he learned as a Boy Scout "that probably was reinforced at safety meetings at work."

You always wonder, Francavilla said, whether you would stay calm in an emergency and whether, with all the distractions and pressures of

daily living, you could effectively recall a life-saving technique learned long ago.

Francavilla—husband and father of four children who's also pursuing an engineering degree and who likes to participate in bike-riding marathons to raise money for charity—need not wonder anymore. ■

Know the Heimlich

To use the Heimlich maneuver on a standing adult who is choking:

Stand behind the victim and circle your arms around his or her waist. Make a fist with one hand and hold it tightly in the other hand. Make quick, strong, upward thrusts into the victim's abdomen, just above the navel. Repeat until foreign object is dislodged from the victim's throat and the victim can breathe.

For a brochure with detailed instructions on how to use the Heimlich maneuver on adults as well as on older and younger children, call Rich Schmitz of the Environmental Health and Safety organization, Ext.3583. ■

AT YOUR SERVICE

Financial and payroll offices

Lose your paycheck? Want to change the withholding amount on your paycheck? Where do you go for help?

The Works' financial services and payroll offices are at your service.

Financial and payroll offices are located side-by-side on the first floor of Building 20 (north aisle, Columns J - K). Staff members are available to address your financial concerns from 7:30 a.m. to 4 p.m., weekdays.

You need financial office help:

- ◆ If you have money coming to you due to changes in your net pay.
- ◆ For payroll check replacement.

Payroll office

Lorine Goynes—Ext. 3481
Gary Dyke—Ext. 3108
Carolyn Hodges—Ext. 3154
Sandy Petska—Ext. 3279
Linda Ridley—Ext. 3261

Payroll services:

- ◆ Payroll and attendance coordination and processing.
- ◆ ETAS coordination and processing.
- ◆ Confirmation of earnings.
- ◆ Maintenance of microfiche files.

You should see a payroll staff member if you:

- ◆ Need a bank authorization card to establish direct bank deposit of

Financial office

Brenda Walkowiak—Ext. 3323

Miscellaneous financial services:

- ◆ Clearing house for airline tickets for business travel.
- ◆ Conditional payments investigation.
- ◆ Distribution of payroll checks.
- ◆ Collection and mailing of vouchers and other documents to Lucent's Financial Operating Center in Georgia.
- ◆ Field draft processing.
- ◆ Payroll check replacement.



Lorine Goynes



Carolyn Hodges

(Continued from Page 2)
 to attend the annual Network Systems Quality Team Excellence (QTE) Rally in May.

For more information about the criteria for the competition and how to go about entering, contact Terence Pettus of the Works manufacturing excellence and quality assurance organization on Ext. 3163, or by e-mail: tpettus@lucent.com.

July service anniversaries

The following employees have been celebrating milestone service anniversaries (in five-year increments) during July. The anniversary date is given first, with service years after the employee's name:

- 7/2—Michael Owens, 35.
- 7/3—Janet Call, 15.
- 7/4—Carol Davis, 30.
- 7/6—Richard Sukup, 30; Evelyn Iselin, 20; David Kresha, 25; Sharron Chard, 15.
- 7/8—Sally Swoboda, 15; Cindy Jarrett, 15.
- 7/9—Jerry Janulewicz, 35.
- 7/10—Donald Werth, 40; Charlene Thompson, 25; Sheila Wainwright, 25; Mary Udron, 15; Albert Sperry, 30.
- 7/15—Robert Justsen, 35.
- 7/17—Diana Dohse, 15.
- 7/19—Linda Polite, 15.
- 7/20—Barbara Schutte, 30.
- 7/22—Michael Sedlacek, 15; Robert Richardson, 15.
- 7/23—Irene Palma, 30.
- 7/24—Cecelia Eastberg, 20.

- 7/26—Earlene Brown, 25; Bonnie Kleinbeck, 25.
- 7/29—Gerald Faller, 40.
- 7/30—Samuel Martin, 35; Michael Crow, 35.
- 7/31—Joseph Siracuse, 40; Jimmie Johnson, 25; Thomas Bogue Jr., 25; Robert McCarty, 30; Judith Coop, 30; John Spencer, 15.

Congratulations to new retirees

The following employees recently retired from the Omaha Works. The effective retirement date is given first, followed by name and years of service:

- 6/17/97—Edwin Bullock IV, 41 years.

(Continued on next page)

NEWS IN BRIEF

your paycheck.

- ◆ Want to change withholding amounts on your paycheck.
- ◆ Have questions regarding discrepancies in pay.

NOTE: The financial and payroll offices do NOT handle:

- ◆ Problems relating to the company's Long Term Savings and Security Plan.

For Savings Plan assistance, **hourly and salary-graded personnel** should call **1-888-582-3686**. **Management personnel** should call **1-800-610-7100**.

◆ Problems regarding telephone reimbursements.

For assistance, **management and salary-graded personnel** should call **1-800-761-1555**. **Hourly personnel** should see their supervisors. ■



Brenda Walkowiak



Linda Ridley



Gary Dyke



Sandy Petska

(Continued from previous page.)

- 7/2/97—Bruce Coleman, 24 years.
- 7/6/97—John Konfrst, 38 years.
- 7/7/97—Charles Griffin, 32 years.
- 7/10/97—Donald Hotchkiss, 38 years.
- 7/14/97—Paul Broderick, 30 years.
- 7/15/97—Jerome Berger, 39 years.
- 7/31/97—Lyle Clark, 35 years.
- 7/31/97—Barbara Luebbert, 31 years.
- 7/31/97—Glenn Swoboda, 31 years.

Lucent earnings triple last year's 3rd quarter results

Lucent Technologies has reported a net income of \$213 million or 33 cents a share for the third fiscal

quarter of 1997 ending June 30, tripling earnings per share over the same period last year.

Third-quarter revenues increased 18.2 percent to \$6.340 billion, with a 22.6 percent increase in revenues from Lucent's three core businesses: Network Systems, Microelectronics Products and Business Communications Systems.

This compares to a net income of \$72 million or 11 cents a share on revenues of \$5.364 billion during the same period last year.

Revenues for Network Systems increased 27.3 percent to \$3.779 billion, driven primarily by sales of both switching and wireless systems with associated software, as well as by sales of fiber optic cable and professional services.

Growing use of the Internet, data traffic and fax usage generated continued demand for second telephone lines in businesses and residences during the quarter, which contributed to Network Systems' revenue performance.

Network Systems' domestic revenues increased about 41 percent in the third quarter, with higher sales among all major customer groups. International revenues decreased by about 8 percent from the year-ago quarter, due in part to varying customer buying patterns and Lucent's sharpening its focus in international markets.

International sales represented about 21 percent of the Network Systems' revenues for the quarter. ■

It's the end of the line for

IRRADIATED WIRE

New, improved process takes its place

Ray Bohac might be prompted to sing a round of Auld Lang Syne, but he'll have to sing it alone. All of the others who worked with him in the irradiated wire shop of Electronic Wire and Cable (EW&C) over the past 20 years have either retired or are now at other job assignments in the plant.

Bohac himself soon will be moving to a new job elsewhere in the plant.

But for now, while workers dismantle the remaining two of originally four concrete irradiation vaults, he's still on the job making the last of the irradiated wire needed to fill remaining orders before the manufacturing process is shut down

for good.

The Omaha Works has made irradiated wire since the operation was transferred here from the now closed Buffalo Works in the mid 1970s.

Used in central offices

Used primarily as distributing frame wire (DFW) in central offices, it is an especially strong and durable wire, strengthened by the irradiation process: Strands of insulated wire pass in front of an electron beam as it rapidly scans across them, a process that cross-links the molecules of the plastic insulate and gives the wire its strength.

The EW&C shop continues to make distributing frame wire, as well as two different kinds of hookup wire for central offices (DP-3 and BH-2), but new material technology has eliminated the need to irradiate these wires, according to product design engineer Robert Wright.

Working with a plastics manufacturer, Wright was involved in designing, testing and coordinating a new kind of PVC whose unique composition gives these wires their strength and durability without irradiation.

Since the changeover to the new process of making DFW and hookup wire without irradiation began in February of this year, it now costs the Works anywhere from 16 percent to 23 percent less than when the wire was irradiated.

A cost reduction

The raw material costs less, and two kinds of wire (DP-3 and BH-2) are now made with a single layer of insulation—not two layers as in the irradiation process. Savings also come from eliminating a step in the manufacturing process (wire first passed through insulating lines before it was brought to the irradiation vaults), which also serves to get the product to the customer faster, Wright said.

It's important to be competitive in price and turnaround, noted product engineer Johnny Langle, who is overseeing the irradiation process to its end. Today, competition for DFW business is extremely high, he said, and bringing the irradiation process up to speed technologically would have been cost prohibitive.

Tests show that wire made with the



SUPERMAN SHOULD HELP... A contract worker must use oversize saw blades to cut through the irradiation vaults' three-foot thick concrete walls.

Photo by Steve Miller

new PVC material compares favorably to irradiated wire, "far exceeding our product specifications and meeting customer expectations," Wright said.

Still, one detects a wistfulness about Ray Bohac when he talks about days gone by.

Walls 3 feet thick

The 39-year company veteran recounted how he was part of the original crew assigned to the irradiation vault area in 1977. There were four vaults, each with three-foot thick concrete walls and measuring 30 by 30 feet. Each shot out an electron beam at 400,000 volts.

There were four rewinders per vault, each with a 400-foot wire string-up.

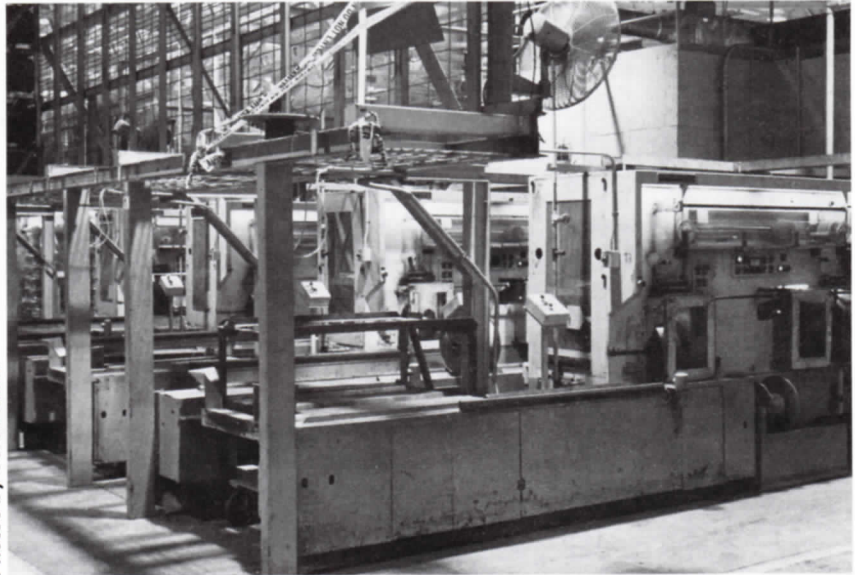
The rewinders fed wire into the vaults for irradiation as well as took up wire on reels, ready for horizontal twisting or final packaging.

"At first we made only one kind of wire, then we expanded to others," Bohac recalled. "I remember we used to run 50 million conductor feet a day of 22DT wire. It was a non-stop operation—the machines were never shut down, there were so many orders."

Lately, it has become difficult to keep the system going, he admitted, because it is an older technology and replacement parts are scarce.

Plans for the space vacated by the irradiation operation have not yet been announced. Removal of the vaults and equipment is expected to be completed in August.

"I've enjoyed it. It's been a good-paying job," said Bohac. "We had good people, good hard workers." ■



Photos by Steve Miller

THE RUINS OF ROME?...The thick concrete walls of one of EW&C's irradiation vaults come tumbling down in top photo. Above, a vault is visible in back of a rewinding machine. Four to a vault, the machines fed wire into the vaults and took up the wire after it was irradiated.

You may be quizzed on ISO 14001

With a pre-site assessment conducted by Lloyd's Register Quality Assurance (LRQA) under its belt, the Omaha Works is preparing for an internal audit next month designed to help us prepare for our bid to gain registration to ISO 14001. ISO 14001 is the core standard in a series of voluntary international environmental standards recognized by major trading nations and trade regulating organizations.

Some employees may be interviewed by Lucent's Corporate Global Environmental Health and Safety (EH&S) auditors when they visit the Works the week of Aug. 25, 1997, said Bob Dennelly of the Works' EH&S organization. Dennelly is project manager here for the ISO 14001 process.

The pre-site assessment in June "went very well," he said. LRQA auditors, who did a preliminary review of everything from our environmental policy, to our annual objectives, to our environmental management structure, determined that so far our efforts toward compliance conform to the ISO standard.

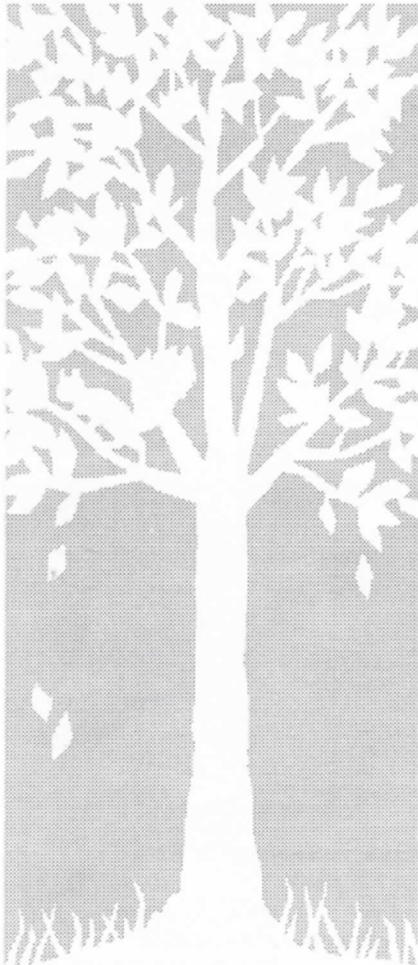
Next month's corporate audit will serve as a developmental tool. It should help us identify areas that need particular attention so that we will be well prepared for LRQA's comprehensive audit scheduled for December 1997, Dennelly said.

Corporate auditors will review all of the documents and programs we have identified as part of the ISO 14001 registration process. In addition, they may interview employ-

ees at random to determine their degree of knowledge of environmental procedures and how employees would go about addressing their environmental concerns.

Dennelly suggests that employees consider how they would answer the questions below. They are representative of what the corporate auditors will be asking:

- ✓Do you know what ISO 14001 is?
- ✓Are you familiar with the Works' environmental policy?
- ✓Do you know what impact your job has on the environment?
- ✓How do you resolve your concerns about the environment? Who do you contact?
- ✓Have you ever had any environmental training? When? How often?■



ENVIRONMENTAL POLICY

Lucent Technologies
Omaha Works

The Omaha Works of Lucent Technologies is committed to the protection of the environment and the conservation of natural resources in the design, production and distribution of its products and services. It is our intent to be recognized by our customers, employees, community, and other stakeholders as a responsible business committed to continual improvement in environmental management and pollution prevention in all business activities. To that end, we shall:

- ◆Comply with all applicable laws, regulations, permits, company policies and other requirements to which we subscribe.
- ◆Promote the prevention of pollution, the reduction of waste and the minimization of resource consumption.
- ◆Advocate recycling, reuse, recovery and conservation of raw materials, energy and water.
- ◆Educate all employees on their relevant roles and responsibilities for protecting the environment.
- ◆Use a systematic approach to set objectives and targets for the improvement of our environmental performance.
- ◆Have senior management routinely review and revise our environmental management system to ensure its continuing suitability, adequacy and effectiveness.
- ◆Communicate this environmental policy to all our employees and make it available to the public.

Implementation of this policy is a primary management objective and the responsibility of all employees. By working together, we can cultivate a strong sense of social responsibility for the community in which we work and live.■