

WHEELABRATOR

PARADE

COVER STORY
ON PAGE 12





Lorco Creates Opportunities for Growth

The future of our Lorco Division looks bright. We base this judgment on three important factors:

First, the Division is faced with a substantial opportunity for growth in a rapidly expanding market. A recent independent business survey has indicated that \$20 to \$30 million will be spent for vibratory finishing equipment and supplies this year. Further, the industry's annual growth rate is estimated to be 25 to 30 per cent.

Secondly, we have capitalized on this expansion by securing orders recently for large fully-automated vibratory finishing systems from three companies who supply components to the automotive industry. Indicative of a growing acceptance for Lorco engineering and manufacturing know-how, these large continuous vibrators will soon be installed at the Bendix Corporation for processing brake assemblies for the Ford Motor Company; at Fuller Transmission Division of Eaton Yale & Towne to deburr

transmission gears; and at Sealed Power Corporation for the precision finishing of piston rings.

Third, Lorco has strengthened its overall position with the increase in size of its Demonstration Laboratory since the move to the Technical Center, the placement of Lorco Regional Engineers in key areas throughout the country, and the current addition of new products including the T-88 Multiple Orbit finishing machine.

Backing up this increase in sales, engineering and manufacturing activities is a vigorous Research & Development program. Several new types and sizes of vibratory finishing equipment are currently being developed and tested. Plans are also being made to expand the Division's sales and engineering staffs to keep pace with the industry.

James F. Connaughton
President

Blessing in New Post, Collier Joins Company



K. E. BLESSING



O. H. COLLIER

Kenneth E. Blessing was elected a Vice President of The Wheelabrator Corporation at the annual organizational meeting of the Board of Directors in New York City on May 11.

He is Vice President and General Manager of the corporation's Wheelabrator Division and is the first officer of the division to be named to the corporate staff, according to President James F. Connaughton.

Mr. Connaughton said the expansion of operations in Mishawaka in recent years and the growing diversity of the Division's products requires additional operating representation at the corporate level.

In his 20th year with Wheelabrator, Mr. Blessing has been Vice President and General Manager since February. Previously, he was Vice President of Sales and from 1957 to 1963 was Manager of Sales of the Air Pollution Control Division. Prior to that, he served in the New York office as a sales engineer and as Manager of the New York office.

O. H. Collier has joined our firm as Materials Manager. He reports to Kenneth E. Blessing, Vice President and General Manager, and will be responsible for planning, purchasing, inventory con-

trol, production control, receiving, shipping, stores and material handling functions.

He had worked for The General Electric Company for the past 17 years. During that time, he held the positions of Manager of Production Planning and Inventory Control, Manager of Shop Operations, Manager of Business Planning, Manager of Manufacturing, Manager of Facilities, Project Engineer, and Electrical-Mechanical Design Engineer.

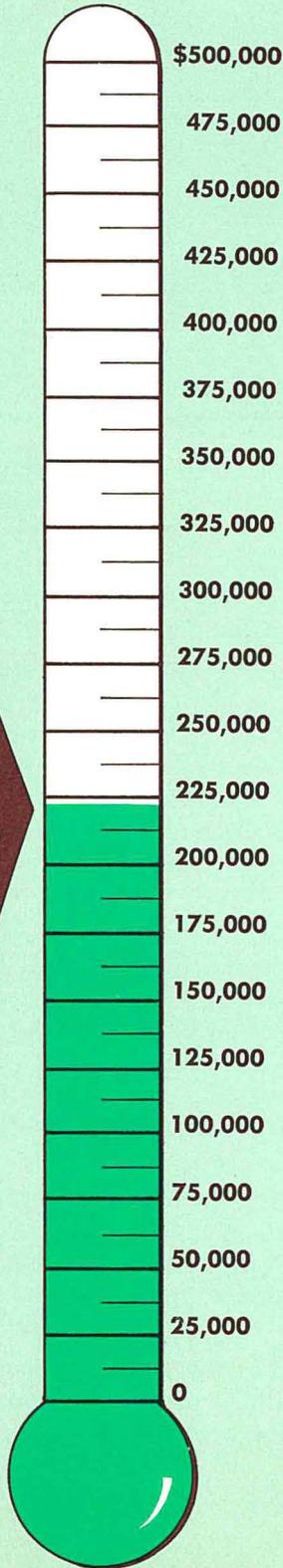
Mr. Collier holds a Bachelor's Degree in mechanical engineering from the University of Cincinnati and a Bachelor's Degree in electrical engineering from Texas A & M University. He also attended Northwestern University, Mississippi State University, Texas Mines University and the University of Illinois. He is a registered professional engineer in six states.

Professionally he is a member of the following organizations: Institute of Electrical and Electronic Engineers, American Society of Mechanical Engineers, and the American Association of Contamination Control.

He is married and is the father of three children. The Collier family plans to move to the South Bend area in the near future.

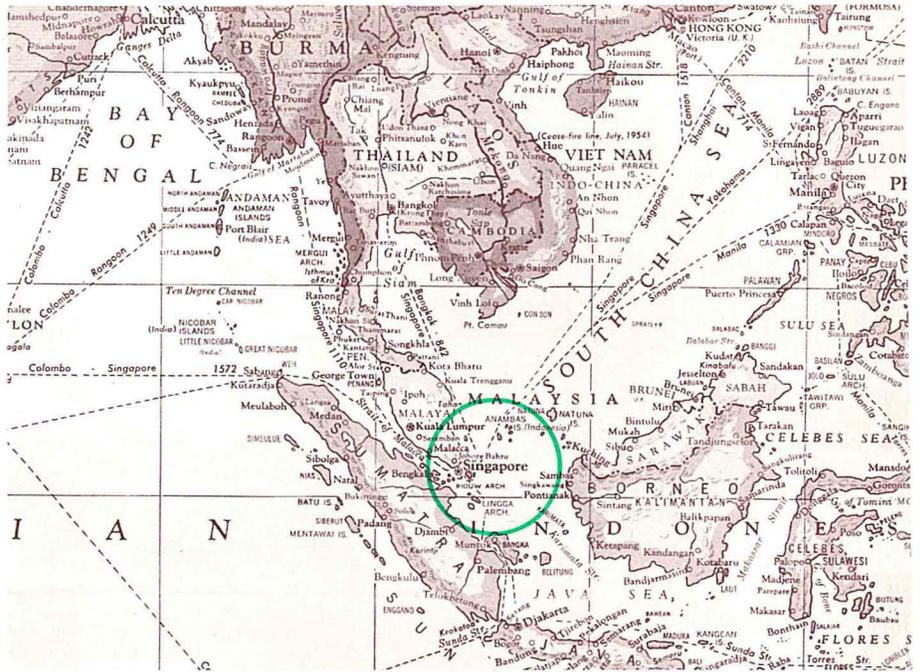
PROFIT-SHARING

*Watch it
Go Higher!*



Company
Contribution
Through May
\$221,629

Company Added in Singapore



Our company's business activities in international markets have been further expanded with the formation of a new joint venture in Singapore.

To be known as Wheelabrator Metal Cleaning Company Singapore Limited, the new company has been approved by the Board of Directors and will be in operation later this year.

Airless blast cleaning equipment installed in Singapore will provide cleaning services under contract for industrial customers and will also serve as a demonstration laboratory for company products. Wheelabrator machinery will be the first airless blast equipment in this Southeast Asian city state which has a foundry production of 1,000 tons per month.

Wheelabrator Corporation holds the majority interest in the new company. A minority interest is held by Asia Engineering Industries, Ltd., a modern foundry installation in Singapore.

President James F. Connaughton serves as Chairman of the Board of the new company and is joined on the Board of Directors by two other Wheelabrator officers: Jacob A. Schmidt, Jr., Vice President—Finance, and James L. Hesburgh, Vice President of International Operations. Other directors are Chan Ah Kong and W.J.O. Cleugh of Asia Engineering Industries, Ltd.

Similar metal cleaning companies are already successfully operating in Argentina, Mexico, the Philippines, Thailand and India.

New Canadian Officers

Four new officers have been elected by Wheelabrator Corporation of Canada, Ltd. and its subsidiaries.

Leslie L. Andrus, who had been President since 1962, has been named Chairman of the Board. The other appointments are: Robert A. Campbell, President and General Manager; J. Douglas Lamb, Vice President and Assistant General Manager, and William O. Wilkinson, Vice President and Treasurer.

Andrus, who maintains his office in Mishawaka, is also a Wheelabrator Division Vice President. All of the other executives are headquartered in Scarborough, Ontario, a suburb of Toronto.

The new chairman joined Wheelabrator's sales staff in 1934 and was promoted to Sales Manager in 1937. In 1941, he became Vice President of Sales, and in 1951 was named Vice President. He is also chairman of the Wheelabrator Corporation Scholarship Committee and has served as president of the Industrial Gas Cleaning Institute, the dust collector manufacturer's national association. A Purdue engineering graduate, he has also served as regional director for the University's Alumni Association.

Since 1961, Campbell had been Vice President and General Manager as well as Chief Executive Officer in Canada. He joined the company in 1945, working as the first full time Wheelabrator employee in Canada. His first office was in the den at his home.

In the years that followed, Campbell has seen the company emerge from a one-man operation with sales of \$80,000 to a four-division company employing 175 persons and writing nearly \$7 million of business a year.

Campbell is a graduate of McGill University, Montreal, Quebec, with a Bachelor's Degree in Engineering. Professionally, he is a member of the executive committee of the Canadian Manufacturer's Association, the Canadian Standards Association, the American Foundrymen's Society and the Professional Engineers of Ontario. He also maintains memberships in the Canadian Red Cross, the McGill Graduates Society, the Canadian Cancer Society and St. Leonard's Church. And, he is a director and chairman of the program committee for the Canadian Council of Profit Sharing Industries.

Lamb is a graduate of the University of British Columbia with a Bachelor's Degree in Mechanical Engineering. He joined Wheelabrator in 1953 as a serviceman in the Toronto office. In 1955, he opened the firm's Montreal office and became a sales engineer. He returned to Toronto in 1957 as General Sales Manager and was promoted to Assistant General Manager in 1966. In his present position, Lamb is responsible for operation of Sales, Production and Customer Service functions of Wheelabrator in Canada.

Professionally, Lamb is a member of the Engineers Club of Toronto and is active in the Anglican Church.

Wilkinson joined Wheelabrator Corporation of Canada Ltd. in 1957 as Parts Service Manager. In this capacity, he set up complete systems and warehousing of Wheelabrator parts and abrasives in Canada. Upon the company's incorporation in 1961, he became Assistant Secretary and Assistant Treasurer. He is also Secretary Treasurer of Barrday Ltd., Secretary Treasurer of Edward Lipsett Ltd., and Assistant Secretary and Assistant Treasurer of McDonald Welding Ltd.

He attended the University of Toronto and studied with Shaws School of Accounting and the Alexander Hamilton Institute of Business Management. Wilkinson is a member of the Anglican Church, the Masonic Lodge, the Boy Scouts Association and is Vice President and Director of Metal Laundry Ltd., Toronto, Ontario.



R. A. CAMPBELL



J. DOUGLAS LAMB

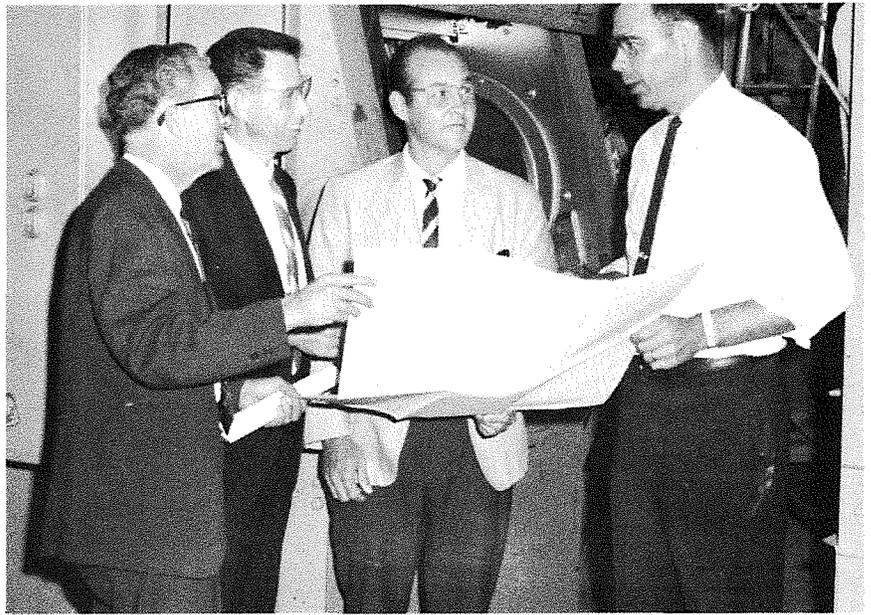
WILLIAM O. WILKINSON



L. L. ANDRUS



Charles A. Raith and Francoise Bietrix are both working at Wheelabrator as trainees for a period of six months. Charles is working in the Advertising Department and Francoise is working in the Purchasing Department. Both are from France. Charles' home is in Paris, while Francoise's home is in Alleverd.



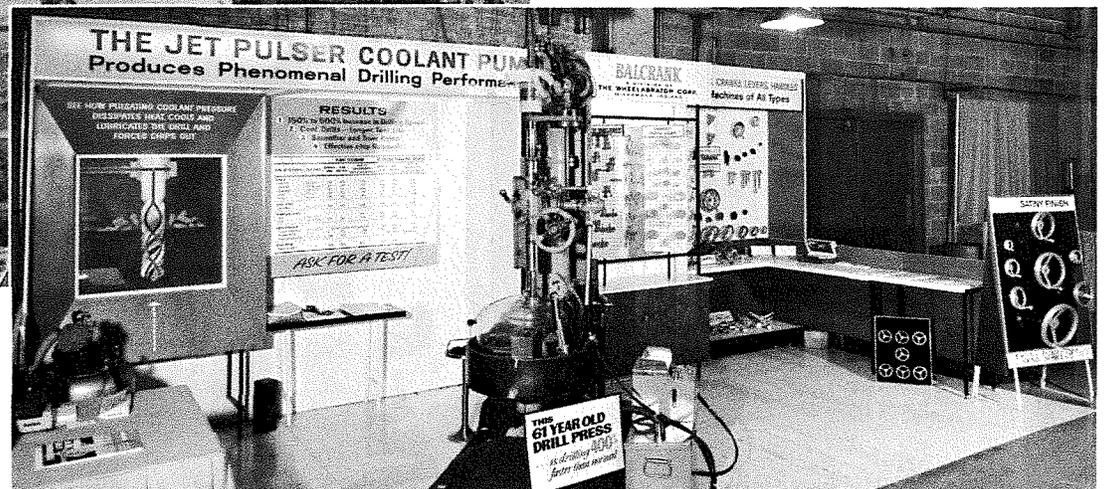
During a recent visit to Mishawaka, representatives of Wheelabrator de Mexico toured our customer demonstration area. Explaining to the visitors a recent innovation in Blast Equipment is Wayne W. Clements, Demonstration Department Manager. From left to right are John F. Cordell, Vice President and General Manager of Wheelabrator de Mexico; Richard L. Smith, Export Manager; Willermo Heinze, Wheelabrator de Mexico Sales Engineer who completed in May a six month training period in Mishawaka, and Clements.

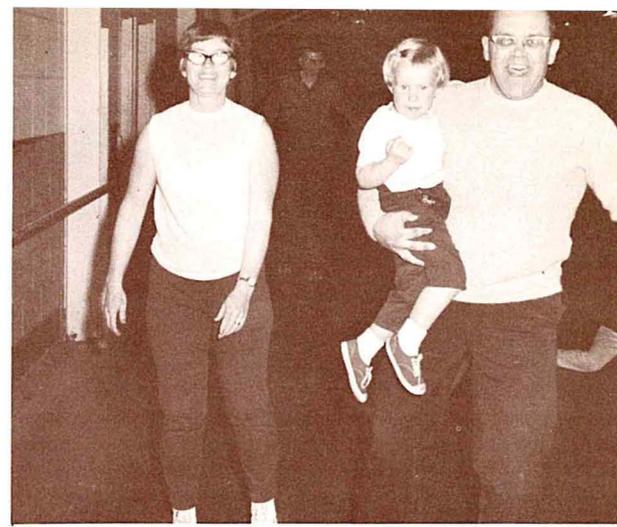


NEWS

Workmen are shown putting up the steel framework for the new steel storage and warehouse building under construction at the present time. The building will have 41,600 square feet of floor space and is to be completed before the end of the year.

The Jet Pulser Coolant Pump and Machine Tool Handles shared space in this exhibit at the 1967 Tool Show in Chicago.





Jim Marsh, who works in Engineering, enjoys skating with his family at the annual Skating Party sponsored by the Athletic Association at the Mishawaka Roller Rink early in May.



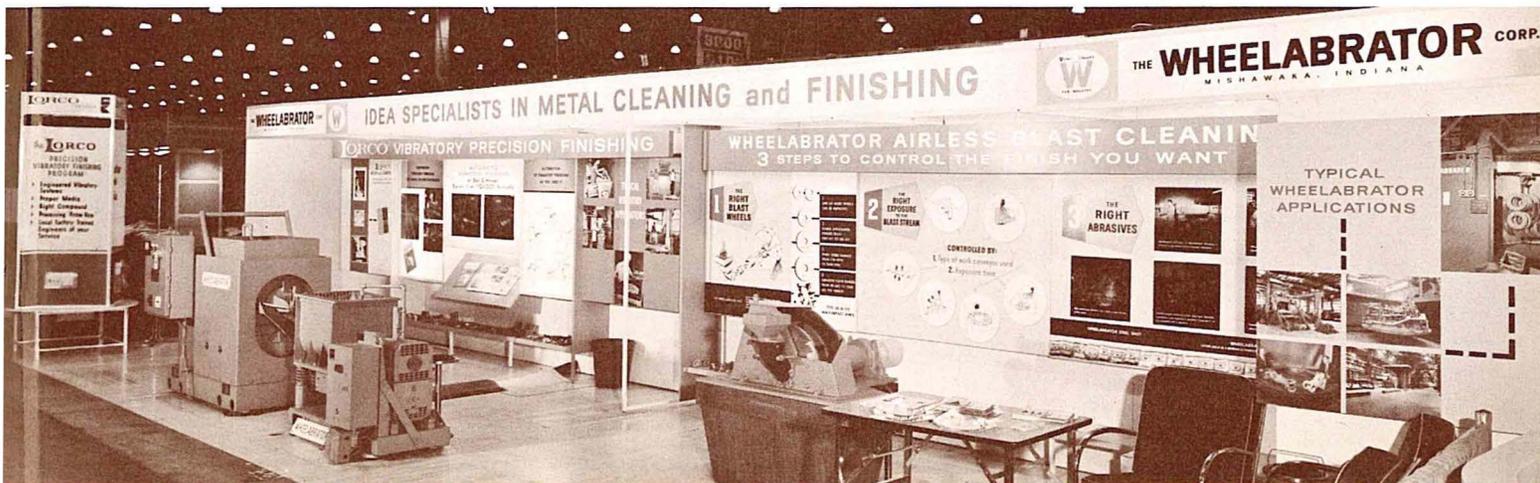
Local 995 retirees were honored at a picnic, May 21, at the Mishawaka Recreation Center. In the top photo, retirees and their spouses are shown selecting food from the picnic table. Old times were discussed by the group in the photo directly above. From left to right are Robert Pherson, chairman of the picnic; Louis Draving, Hilda Reid, Elmer Key, all Local 995 retirees; and John Palmer, chairman of the retirees committee of the union. In the photo at the right, retirees and union members are shown enjoying the picnic with their guests.



AND

VIEWS

Wheelabrator Abrasives, Blast Equipment and Lorco Vibratory Finishing Equipment were displayed in this booth at the 1967 Tool Show in Chicago. Theme of the display was "Idea Specialists in Metal Cleaning and Finishing."



NEWS AND VIEWS

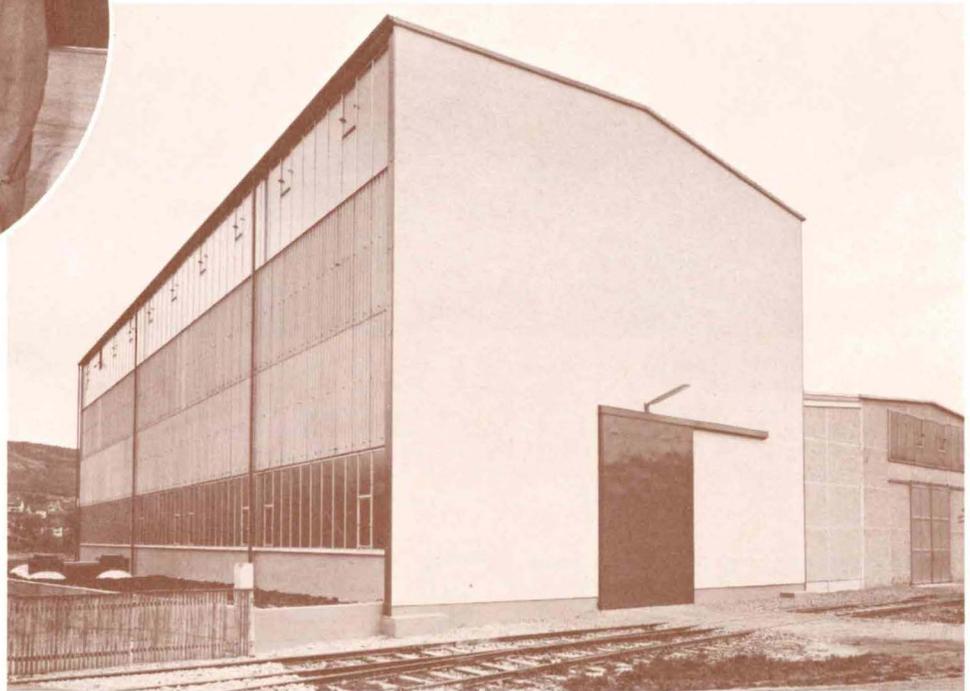
(CONTINUED)



An impressive employment record for supervisors in the Balcrank Division became apparent at the retirement dinner given for Roy Rudder in May at Garrett's Restaurant. Each of the men pictured above has been employed by Balcrank for at least 25 years. Together, their years of employment add up to 298 years or an average of 29 4/5 years with the Division. Left to right are: Harry Eisle, Bernie LeBlang, Roy Rudder, Jess Borman, Harold Rhodehamel, Carl Losekamp, Bob Pflugner, Gabe Leitsinger, John Schaefer and Bob Klump.



Pictured at the right is the new addition to the Ullrich and Roser Plant in Stuttgart, Germany. Space in the new structure is being used for the manufacture of Wheelabrator equipment which has been added to the original Ullrich and Roser product lines. In the above photo, Dr. Otto W. Zollikofer, chairman of the Ullrich and Roser Board of Directors, presents keys to the building to Werner Melzer, one of the three managing directors of the firm, at recent dedication ceremonies.



Wheelabrator was host during May to 35 employees of 19 of our customers located in 11 states, at a Customer Service School. Among the instructors at the school were four of the men standing at the rear of the room. From the left, they are: Philip R. Jordan, Ardee H. Freeman, George T. McLaughlin and L. Dale Reddricks. Standing at the right is an unidentified customer.

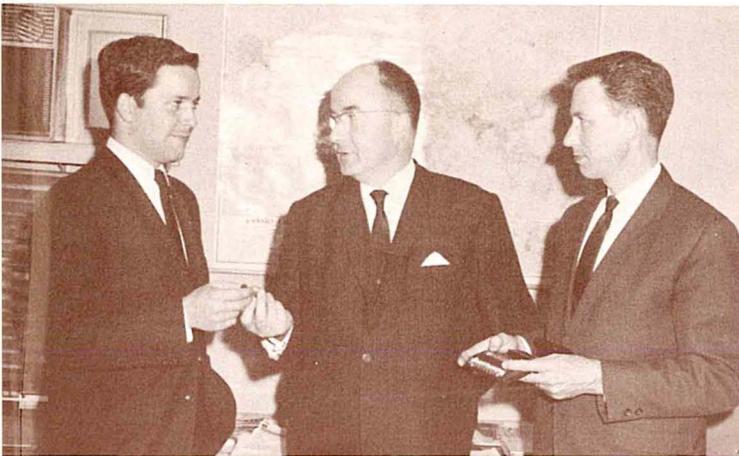


Among recent international visitors to our plant were Pierre Planchard and George Biatrix from Wheelabrator-Allevard. During their visit, they met in Mr. Connaughton's office with various Wheelabrator officers. Shown in the photo at the left are: Charles A. Raith, French trainee in our Advertising Department; James L. Hesburgh, Vice President of International Operations; James E. Donlan, Vice President — Controller; Mr. Biatrix; President James F. Connaughton; Mr. Planchard, and Jacob A. Schmidt, Jr., Vice President — Finance.



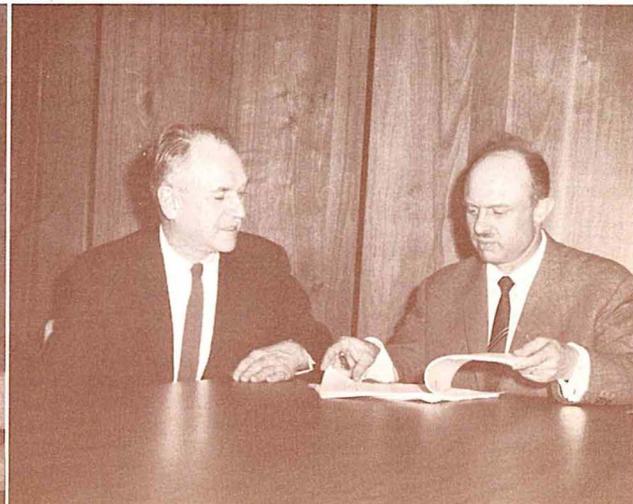
INTERNATIONAL VISITORS

Bernard Detanger, another recent visitor from Wheelabrator-Allevard, discussed a new type of steel abrasive sample kit with members of our International Division. From left to right, are Charles S. Allen, Assistant to the Vice President of International Operations; Mr. Detanger, and Richard L. Smith, Export Manager.



New developments in Blast Equipment were checked by W. R. MacMillan, who visited Mishawaka in May from Tilghman Wheelabrator Limited in England. Pictured during the discussions were, left to right, Mr. MacMillan, Ardee H. Freeman, Harold F. Schulte and Julius E. Skene.

RIGHT — James L. Hesburgh, Vice President of International Operations, checks over a list of recent accomplishments with Pedro Herrendorf, Vice President and General Manager of Wheelabrator Argentina, SAIC. Herrendorf visited our plant early in May. FAR RIGHT — George Roper, Chief Engineer of the Air Pollution Control Division, discussed the latest state of the art with Joe Delfeld who visited Mishawaka in May from Wheelabrator-Allevard in France.



ULTRASONICS--

WHEELABRATOR'S FIFTH CLEANING DIMENSION FOR INDUSTRY

WITH THE acquisition late last year of Delta-Sonics Inc., of Hawthorne, California, a new dimension in the cleaning of metals was added to the Wheelabrator product line.

The ultrasonic equipment produced by Delta Sonics is a logical extension of our line because, like most of our products, it is a highly efficient metal cleaning process.

ENTERED SAND BLAST FIELD

As you may already know, our firm entered the business of cleaning metal with sand blast equipment more than 40 years ago. Then, in 1933, we introduced the first practical airless blast cleaning machine, using metal abrasives. From there we moved into wet blasting, a combination of abrasives and liquids, and in 1959 began marketing Lorco systems, which use chemicals, compounds and abrasive media for the precision finishing of all types of metals and alloys.

Ultrasonic cleaning of hard surfaces is achieved by the use of high pitched sound waves. Basic to this is the process of cavitation. This takes place in a liquid when bursts of high powered sound waves form bubbles which immediately expand inward under the force of gravity. When these bubbles collapse, the force provides a scrubbing action on the surface being cleaned. The pressure comes in cycles so that alternately there is a big pile of pressure and then no energy at all — creating bubbles and then collapsing them.

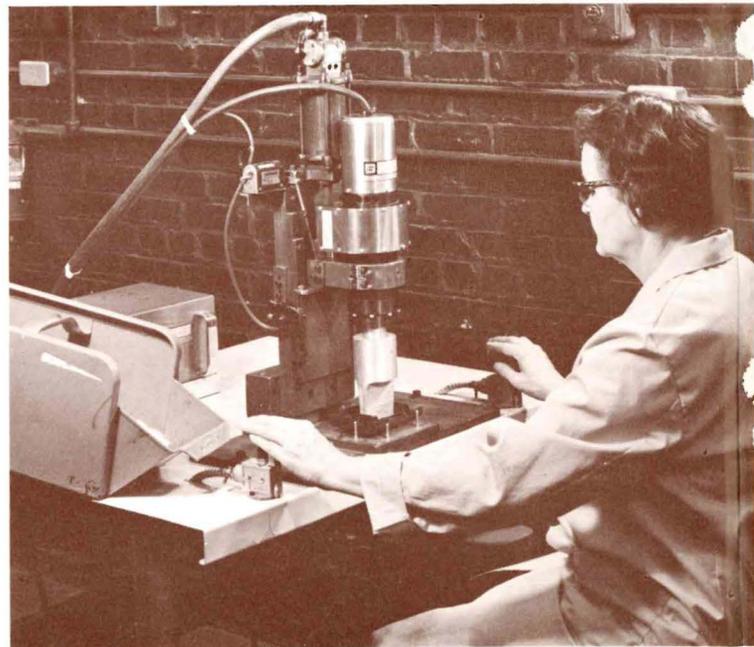
HAS CERTAIN ADVANTAGES

Ultrasonic cleaning has certain advantages over other methods. Among these are the ability to clean extremely small areas, objects can be cleaned without disassembly, cleaning processes can be

automated, and ultrasonic energy can enhance the chemical activity of cleaning solutions.

Although cleaning is its principal mission, Ultrasonic equipment is applicable in the inspection of materials, welding and bonding of plastics, soldering and degreasing.

Non-destructive testing looks for flaws in hard-surfaced materials and is based on the principle that sound cannot penetrate a void. This usage has a bright future since complex new products —



Nylon mesh is ultrasonically fused to the shells of electric clothes brushes at the General Electric Housewares Division plant in Asheboro, North Carolina. The General Electric employee shown here is operating an ultrasonic welding machine produced by Delta Sonics for plastic materials.

such as those used in jet propulsion, atomic power, automatic transmission, synthetic tires, thermo-setting plastics — have created demands for much more precise and demanding performance from materials and components. This, in turn, is constantly requiring better, more precise testing. For example, during the manufacture of a large solid propellant rocket motor, the quality of materials, components and assemblies is checked more than 4000 times.

USED BY PLASTICS INDUSTRY

Delta Sonics also designs equipment for the ultrasonic welding and bonding of rigid plastics and plastic films, primarily in the electronics, housewares and toy industries. This equipment utilizes sound to create vibration at the surfaces where joining is desired. The vibration generates frictional heat, which causes the materials to melt and fuse.

Soldering equipment is used primarily in the electronics industry where precise welds are required. Delta Sonics vapor degreasing devices operate similarly to its cleaning equipment.

While cleaning equipment should account for the majority of future ultrasonic markets, non-destructive testing is expected to have a sharp rise.

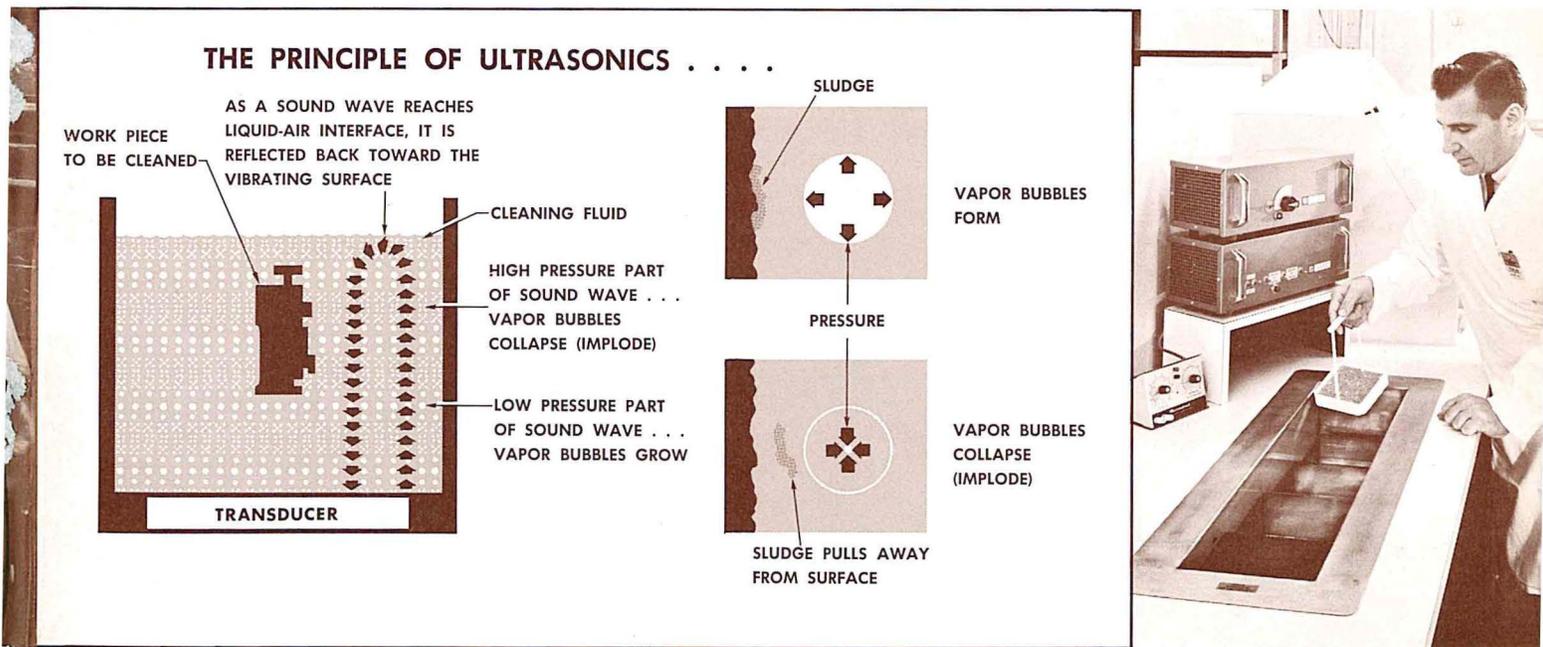
Programs such as the supersonic transport are “pushing materials to their ultimate stresses,” Carl J. Goldbaum, Delta Sonics President notes.

USE COMPACT, LIGHT MATERIALS

“In the past, engineers were inclined to over-design to a great extent, but with the growing demand for compactness and lightness, materials are being stressed more and more near their theoretical maximums,” he said. This requires more precise testing.

“As we advance in technology,” Goldbaum comments, “we are continuously faced with the problem of insuring that materials can withstand the rigorous environments to which they are subjected.”

Use of more effective testing procedures will enable engineers to design products which are lighter, less expensive and require fewer materials, Goldbaum feels.



Above — Diagrammatic drawing, left, illustrates how sound waves, travelling from transducer through the liquid in the cleaning tank, form and implode vapor bubbles which action causes scrubbing of part to be cleaned. Detail at right, shows how bubbles are formed (top) and then collapse inward (below) creating a force which removes sludge from surface of part.

At right — A cascade ultrasonic tank, specially designed by Delta Sonics for International Rectifier Corporation, cleans all military and commercial Zener diode junctions to remove contaminants and insure long and stable Zener operation. Cleaning is done in a four step cascade bath using deionized water.

Bridal Fashions

Featured at Julianna Card Party

The girls pictured on our cover are not June brides, but rather were models at a bridal fashion show which was the highlight of the Julianna Club's annual card party in April.

But since June is the month most often associated with brides, we decided to wait to use the photo in this issue of PARADE. And, since we waited until now to use the cover picture, we also decided to delay use of other photos taken at the card party.

Models at the style show included the following Julianna Club members: Vicki Miller, Elaine Rospopo, Marie Calentine, Mrs. Ronald Feyos, Diane Kalil, Geri Seely, Virginia Wachs, Virginia Myers, Nancy Van Houtdrevé, Mrs. Nancy Tubbs, Mrs. Dallas Acrey, Mrs. Paul Kaufman, Mrs. Wayne Clements, Mrs. Larry Dawson, Lorrie Brockeveldt, Mrs. Douglas Rodgers and Mrs. Joseph Cocquyt.

Co-chairmen of the card party were Mrs. Kenneth Rohleder and Mrs. Ralph Long. Other committee chairmen were Mrs. Paul Kaufman, Mrs. Arthur Hensel, Mrs. Elden Schalliol, Mrs. William Fries, Mrs. Lillian Cook, Mrs. Ralph Stoeckinger, Mrs. Donald Newcomer and Mrs. Robert Hildebrand.



A source of profit for the benefit card party sponsored by the Julianna Club was the raffle of door prizes. Above, Kenneth Rohleder and Mrs. Malcolm Duncan sell tickets to Mrs. Robert Stutzman, Mrs. Arthur E. Hensel and Lorrie Brockeveldt.



Mrs. Nancy Tubbs, left, modeled this gown which had been worn by the card party's general chairman, Mrs. Kenneth Rohleder, at her wedding on Thanksgiving Day, 1940. In the photo at the right is Nancy VanHoutdrevé who modeled this 1939 wedding gown.



Committee chairmen for the card party admire the gown that Rose Newcomer, chairman of the fashion show, had worn at her wedding. From left to right are Mrs. Paul Kaufman, Mrs. Elden Schalliol, Mrs. William Fries, Mrs. Arthur E. Hensel, Mrs. Ralph Long, Mrs. Newcomer, Mrs. Kenneth Rohleder, Mrs. Lillian Cook and Mrs. Ralph Stoeckinger. Not pictured is Mrs. Robert Hildebrand.



We kuen

CHARLES DE CRAENE

Since 1935, Charles De Craene has worked at Wheelabrator. And, during the years since then, he worked in nearly every department.

He began as a blue print machine operator and today is Chief Production Engineer for Air Pollution Control Engineering, a position he has held since 1952. He has also worked as a typist of bills of material, as a draftsman on Air Pollution Control Equipment, in the laboratory running tests on both Blast and Air Pollution Control Equipment, as a field service engineer, in the production department working on plant layout, in the sales department, and in the engineering section as Assistant Supervisor of Air Pollution Control Equipment.

De Craene, who attended the University of Notre



Speaking at the Wheelabrator family program were the three Vice Presidents pictured at the left. From left to right are Kenneth E. Blessing, Vice President and General Manager; E. A. Rich III, Vice President of the Balcrank Division; and James E. Donlan, Vice President and Controller.

Many Attend Family Program

Welcoming the opportunity to see and hear about our company's newest products and most recent ventures, many Wheelabrator families attended the family program entitled, "The Wheelabrator World" at Mishawaka High School at the end of April.

Two Wheelabrator films, "The Wide World of Progress" and "Profitable Tools and Ideas for Industry," were shown in the auditorium at afternoon and evening performances. Kenneth E. Blessing, Vice President and General Manager, welcomed both groups to the programs. Also speaking

were James E. Donlan, Vice President — Controller, and E. A. Rich III, Vice President — Balcrank Division.

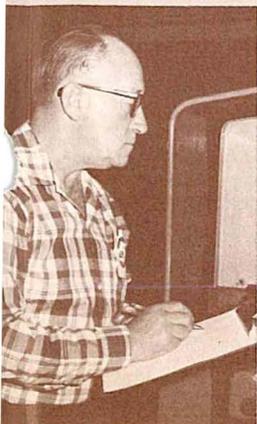
Immediately preceding and following each performance, families visited displays and enjoyed refreshments in the cafeteria.

Louis T. Kenney, Director of Industrial Relations, was in charge of arrangements for the program. Displays were in charge of Alden E. Lenhard, Manager of Advertising and Sales Promotion, and refreshments were served by members of the Julianna Club. Acting as guides in the display area were the following members of the Sales Department: Julius E. Skene, George F. Jones, Philip R. Jordan, George T. McLaughlin, Fred K. Baldauf and Hardy W. Stebbins.



In the photo at the top, Dick Schellenberger of the Balcrank Division explains the operation of a pre-set oil meter to Earl Sorsby and his family who attended the afternoon program. Sorsby is a Plant 2 employee. In the bottom photo, the family of Joe Chapo, who works in Lorco Engineering, gets a briefing on the abrasive blast cleaning of various castings from George F. Jones, Sales Manager — Supply Division.

him when



Dame, lives with his wife at 707 W. 12th St., Mishawaka. They have two sons, Jim, a Notre Dame graduate and a former winner of the Otto A. Pfaff Scholarship, and Dan, a sophomore at Indiana University.

CARL LOSEKAMP

Carl "Dutch" Losekamp joined Wheelabrator's Balcrank Division in 1940 as a set-up man in the Machine Shop. Now he is superintendent of Balcrank operations in the Machine Shop. He has held that position since 1945.

He and his wife live at 1615 Altgeld in South Bend. They moved to that address from Cincinnati with the Balcrank operations in 1965.

"Dutch" still maintains membership in the Elks Lodge 314 in Covington, Kentucky. He has been a member of that lodge for 25 years and is a past Kentucky State President and is Past Exalted Ruler of the lodge.

people AND events IN THE NEWS

Charles S. Allen Speaks at Clinic

Charles S. Allen, Assistant to the Vice President of International Operations, presented a three-hour session on "Advertising and Marketing" at a Basic Principles and Management

Clinic at Cline School in South Bend on June 6. Sponsored by Action, Inc., the class was attended by some 20 persons operating small businesses in St. Joseph County.

Technical Papers Given at AFS Castings Congress

Joseph J. Janush, Marketing Manager, and **Frank R. Culhane**, Sales Manager — Air Pollution Control Division, presented technical papers at the 71st Casting Congress sponsored by the American Foundrymen's Society in Pittsburgh, Pa., May 9.

Janush discussed "A Case History of Dollars Saved" at a Malleable Iron Session. He described

the potential cost reduction available to foundries through the use of Wheelabrator products and services.

"Let's Discuss Dust Collectors" was the subject of a panel discussion in which Culhane participated. He discussed applications of the Wheelabrator cloth-type Dust Collector in the foundry industry.

Employees' Children Awarded Scholarships

Diane Claeys, who graduated earlier this month from Mishawaka High School, has been awarded a scholarship by the Indiana State Scholarship Commission. The daughter of Mr. and Mrs. **Jack C. Claeys**, 1521 Tremont Drive, Mishawaka, she plans to study in the area of secondary education at Ball State University, Muncie. Diane's mother, Anne Claeys, is secretary to Raymond M. Leliaert, Director of Research & Development.

Another winner in the Indiana State Scholarship Commission competition is Robert L. Bump, Jr., son of Mr. and Mrs. **Robert L. Bump**, 52660 Brooktrail Drive, South Bend. The winner, a re-

cent graduate of Loyola High School, Baltimore, Maryland, will be a pre-medical student at the University of Notre Dame. The young man's father is Product Manager for Electrostatic Precipitators.

Brent J. Barnes, winner of the Otto A. Pfaff Scholarship to the University of Notre Dame under sponsorship of Wheelabrator Corporation, has also been declared a winner of a National Merit Scholarship in competition with high school seniors across the country. Brent, son of Mr. and Mrs. **James A. Barnes**, Pontiac, Mich., plans to major in mathematics. Brent's father is Detroit Regional Manager.

Projectors, Films in Regional Offices

An 8 mm. movie projector and a full library of Wheelabrator movies are now located in each of our regional offices. Thus, full-color and sound films on a myriad of varied applications of our equipment are available for showings to customers across the country. The projectors and films

were purchased after a highly successful trial program in two of the regions. With the projectors, a salesman can call on a potential customer and show operating principles of equipment in which he has an interest as well as application photos and testimonials from satisfied customers.

**Air Pollution Control
Subject of Presentations**

Richard L. Adams, Chief Project Engineer for Air Pollution Control Engineering, presented a program at Tri-State College, Angola, Ind., May 4. His presentation, "How Bag Filters Fit Into the Air Pollution Abatement Program", was given at the regular May meeting of the college's chapter of the American Society of Tool and Manufacturing Engineers.

Robert L. Bump, Product Manager for Electrostatic Precipitators, spoke at the 3rd Annual Minerals Processing Cement Plant Maintenance Symposium, early in May. Entitled "Maintenance of Electrostatic Precipitators," his presentation was part of a two-day symposium covering all areas of cement plant maintenance.

Anniversaries

30 Years

Arneal K. Squibb..... Steel Shop
Harold R. Garman..... Service Dept.
Ernie Hearrell..... Service Engineer

25 Years

Fred R. Hostetler..... Stockroom
William H. Doty..... Steel Shop
Herman Mitchell..... Machine Shop
Melvin Ranstead..... Steel Shop
George Scott Jr...... Machine Shop
Charles W. Miller..... Steel Shop
Jackson L. Snyder..... Plant 2

20 Years

Edward T. Sullivan..... Treasurer

Franklin N. Soule..... Foundry
Oren B. Bowser..... Plant Engineering
Paul E. Myers..... Parts Service

15 Years

Warren Ackenhausen..... Guard

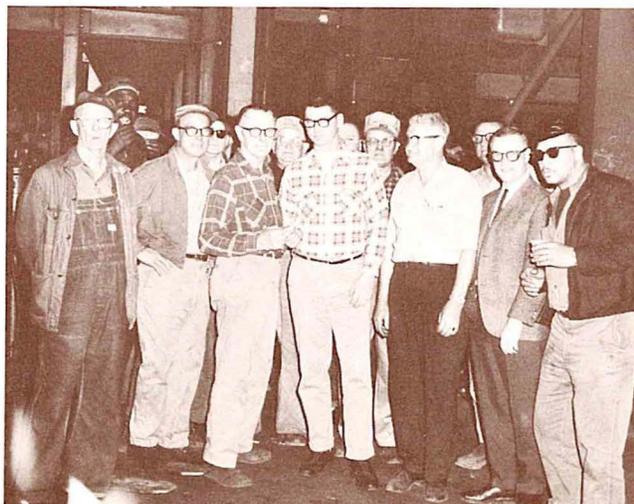
10 Years

Russell E. Kyle, Sr...... Data Processing
Karl R. Smith..... Engineering
Matthew J. Rutkowski..... Purchasing
John W. Keller, Jr...... Production Control
George F. Wilkins..... Credit Mgr.

New Employees

Birmingham Office: Mary R. Cook; **Purchasing:** Mary E. Cook, David W. Hanson, Juanita C. Siri; **Cost:** Patricia L. Feyos; **Sales:** Thomas P. Lof-tain; **Engineering:** Annabelle Gilmore, Richard P. Bundy, Egon V. Newberg, Jeanette Bauwens, Sunny D. Cave, Charles A. McCoy; **Maids:** Sylvia M. Warren, Nick Macri, Wilfred R. DeLoddere; **Research:** Francis C. Rice, Wiley V. Potts; **Balcrank Sales:** Joseph W. Harris; **Balcrank Production:** Erwin S. Marnocha, Dennis W. Krathwohl, William L. White; **Plant 2:** Richard

L. Wise, James R. Arnold; **Production Control:** Ronald R. Holland; **Machine Shop:** Walter Frick, Jr., John Canarecci, Jr., Kenneth E. Wolfe, Fred B. Keip, Hobert H. White, Bruno Cataldo; **Tool Room:** Stephen J. Hernicz; **Fabrication:** Arvel G. Howard, Larry L. Kilgore, Steven D. Chandonia, Filiberto Anastasio, Cecil L. Hostetler, Houston C. Rollins; **Material Handling:** Jim L. Vollman, James E. Smith, Larry C. Robinson; **Data Processing:** Leonard H. Atkins; **Cleveland Office:** Linda D. Yerick.



Jim Powell retired from the maintenance force of Plant 2 in May. His co-workers gathered to wish him well before he left and presented him with a check.



Balcrank workmen presented **Roy Rudder** with a gift certificate when he retired in May. Roy had been with Balcrank 42 years and was foreman of the Polishing Department.

Lorco Eliminates Production Bottleneck on Famous Winchester 94 Rifle

In one-fifth of the time previously required, gun receivers are now polished and deburred in Lorco 20 cu. ft. vibrators installed at the Winchester-Western Division of Olin Mathieson Chemical Corporation, New Haven, Connecticut.

The receivers, used on the well-known Model 94 Winchester rifle that has been in constant production since 1894, previously created a bottleneck at the polishing and deburring stages.

The part that caused the problem is about 9½" long by 2" by 1⅛" and has internal recesses, slots and undercuts. With this configuration, hand polishing is virtually an art and requires highly skilled men. And all machining marks, burrs and sharp edges must be completely removed to insure smooth rifle action.

Only 55 parts could previously be hand polished and deburred by one man during an eight hour shift.

With the Lorco Vibrators, a man can now process 300 receivers per shift, compared to the 55

pieces per man via hand polishing and deburring.

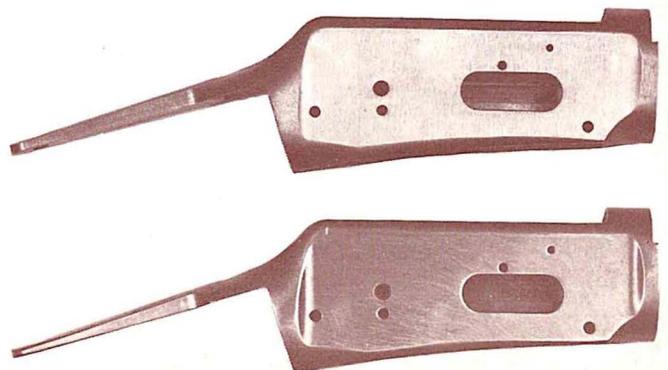
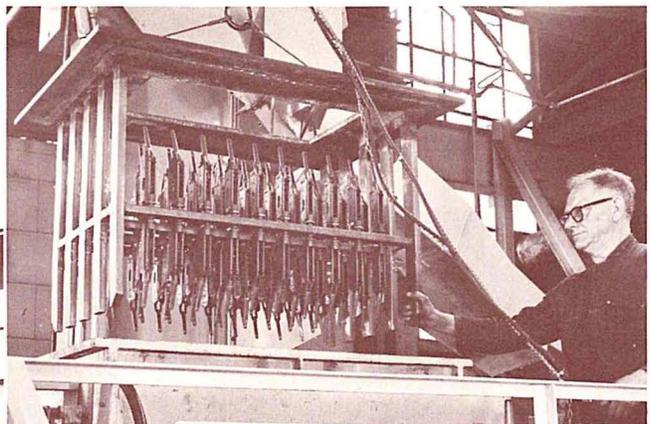
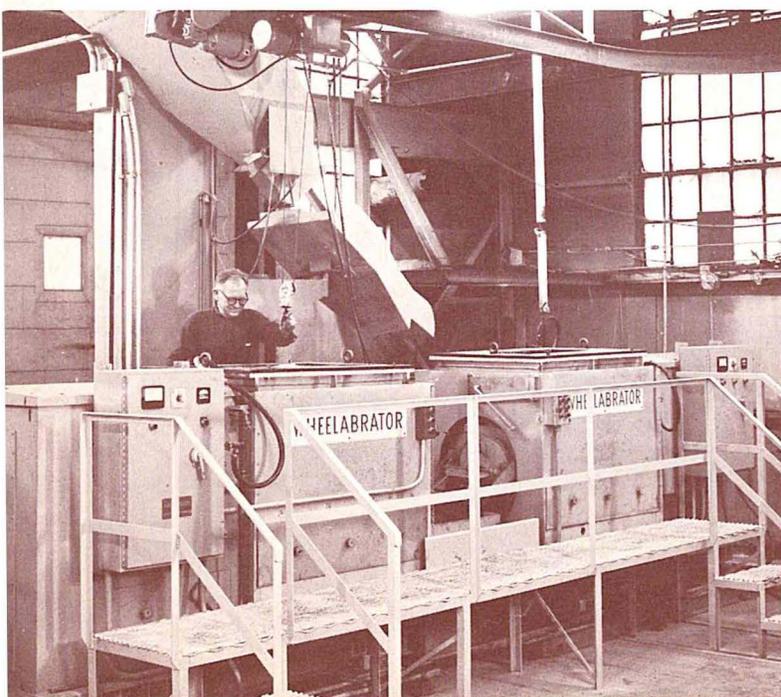
Not only have the Lorco Vibrators eliminated this customer's production bottleneck, but they have also improved the quality of the finish. According to one Winchester official, "You can feel the difference in the finish, especially on the inside edges which are inaccessible to hand polishing. Our assembly department tells us that the 94's go together more easily now. Receiver finish is more uniform."

A special feature of this application is the fastening of parts onto a fixture. This permits more parts to be processed per load without danger that the parts will nick or scratch each other. Without fixturing, only 10 to 15 receivers, instead of 84, could be processed per load. Fixturing also reduces the finishing time for each load because the relative movement between parts and media is greater when the parts are stationary.

Receivers for other gun models are still being hand polished. However, now that the bottleneck on the 94 receivers has been broken, other uses for Lorco equipment are under consideration.

Below — The complete Lorco installation at Winchester-Western Div., Olin Mathieson Chemical Corp. is shown in this photo. Two men staff the department, out-performing 10 men previously doing hand polishing on gun receivers.

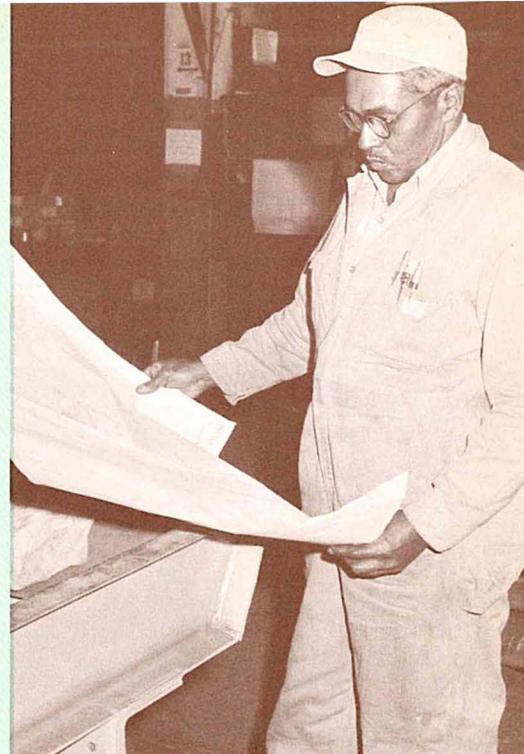
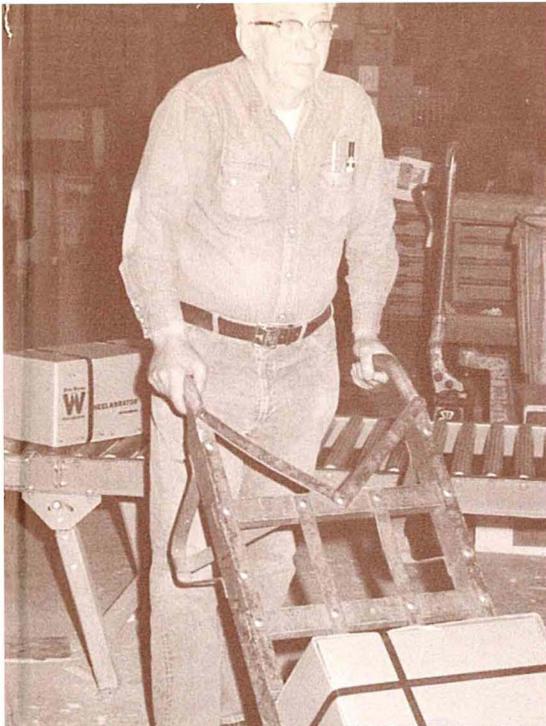
Right — A Winchester workman lowers a fixture holding 84 of the Model 94 receivers into one of the 20 cu. ft. Lorco Vibrators. The fixture weighs about 300 pounds and is ruggedly constructed to withstand the vibratory cycle.



Machining marks, visible on the upper receiver, are completely removed by Lorco Vibratory Finishing.

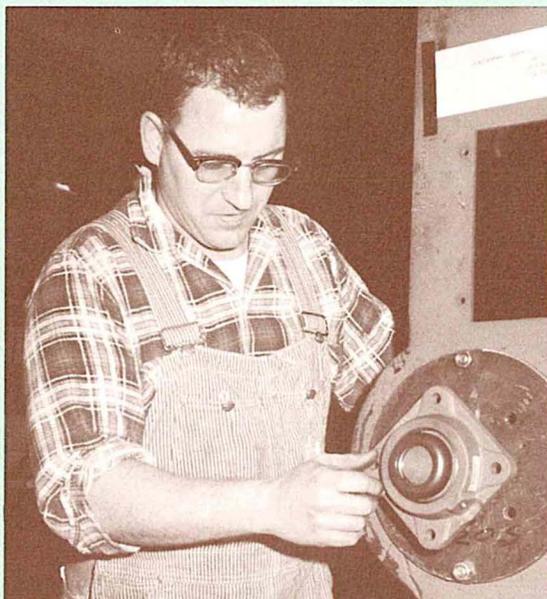
On the Job

Left — Nurturing a young orchard of fruit trees is the spare time activity of **Ollie W. Ferrell**. During the day, he is a carpenter in the South Shipping Department — a position he has held for 17 years. He and his wife own a small farm near North Liberty where they have recently planted 100 trees. Ollie plans to use the orchard as a source of retirement income when that time comes. The Ferrells have four grown children.

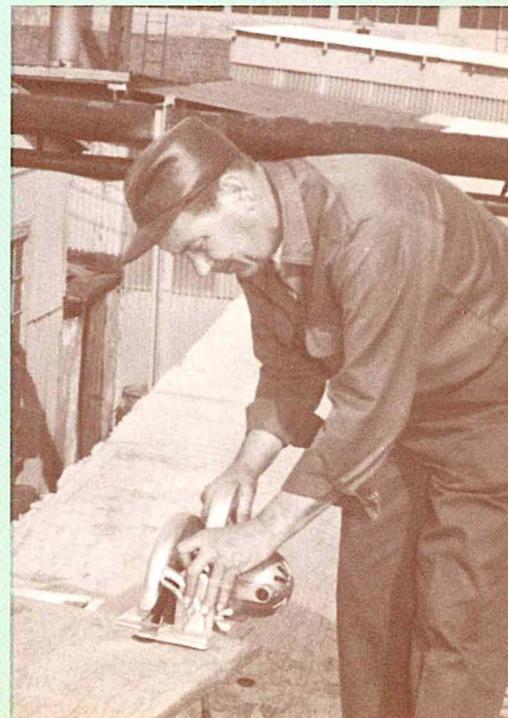


From his home in Vandalia, Mich., **Alton Williams** logs a total of 56 miles driving each day to and from work. He works on the assembly of loaders in the Steel Shop and is shown in this photo reading a machine blue print. During his spare time in the summer, he operates a boat livery on Cowham Lake near Marcellus, Michigan. He lives in Vandalia with his wife and two children.

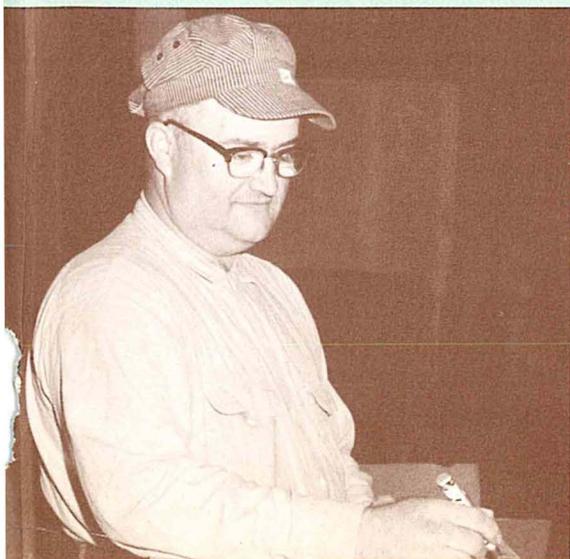
Right — Assembling Tumblasts is the job of **Victor D. Gran, Jr.** He joined Wheelabrator in May of 1950 and worked in the Fabrication section of the Steel Shop for 15 years before transferring to his present job in the Assembly section. He lives in Elkhart with his wife and three children. In addition to spending his spare time doing odd jobs around the house and yard, he finds time to actively participate in the Moose and Eagles Lodges in Elkhart.



Doyn C. Ickes, who lives near Mishawaka on Fir Road, works in Plant Engineering. A relief truck driver, he also works on miscellaneous plant maintenance projects. In this photo, he is shown repairing the roof over the former Machine Shop. He joined Wheelabrator in 1950 and has worked in Plant Engineering for the past 13 years. Doyn has also worked in the Foundry and in the Steel Shop. He and his wife are the parents of four daughters.



Left — **Robert S. Sult** is a carpenter in the North Shipping Department. He began working here in 1944 and worked in the Stockroom and in the Receiving Department for the first 15 years of his tenure. Gardening on a quarter of an acre of ground in Osceola keeps him busy during his spare time in the summer — a hobby he acquired as a youth growing up on a farm near New Carlisle. Bob and his wife have four children.



Wheelabrator employees were saddened by the deaths of three employees during April and May—Edward F. Slabaugh, Mrs. Margaret E. Harrington and Paul R. Driver. The entire organization wishes to express its sympathies to all of their families.

Mr. Slabaugh, who lived in Ligonier, died of an apparent heart attack while working in the Shipping Department on April 19. Mrs. Harrington, who died on May 11, had been employed in the Receiving Department. Her husband, John, is group leader of our plant protection force. Mr. Driver, who had been employed as an Assembler, died on May 29. His wife, Mary Helen, is employed in the Sales Department and his daughter, Mrs. Richard Teeters, is a Lorco Division employee.

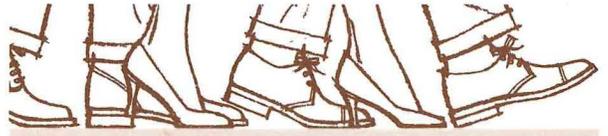
CANADIAN CLASSICS

Well, here we are again!! After missing a few issues, we would like to try and get back on the back page of PARADE again and give you some of the current goings-on and what's happening up here in Canada . . . Passed by **Doug Lamb's** home the other morning and saw many empty paint cans in the garbage and Doug confirmed that Alice was busy redecorating again. They should go into business . . . **Alex Horne** came in the other day after a very strenuous weekend working outside. It seems that wife, Ruth, ordered some loam

Two members of Local 995 recently won prizes in an AFL-sponsored regional raffle which included locals in Indiana and Kentucky. Local 995 President Glenn Fulmer, left, presents a gun to one of the winners, Don Jurgenson, who works in Plant II. Howard Snyder, Local Vice President, right, presents a power saw to the other winner, Kenneth Bidlack, who works in South Shipping.



PASSING PARADE



for their garden and Alex is just now beginning to straighten up . . . **Ian Somerville**, Sales & Service Engineer, came in awhile back looking like the very pleased father. His young son, Glen, plays for a "Little NHL" hockey team and they had just won the "Little NHL" Ontario Chapter Championship . . . Although the weather lately has been anything but inspiring, a few of the girls decided to boost our morale a bit and **Jackie Hawkyard** and **Gail Dubray** came in the office the other day wearing their new, very colorful spring dresses. I think if they wore them every day our Blast Sales would be up and our Parts business would increase tremendously . . . **Linda Donaldson**, our girl Friday in Purchasing, will be leaving us to get married early in July. We all wish her well as Linda has always been so pleasant and cheerful to have around the office . . . **Martyn Ubbink**, our "inside man" for the Blast Division was married on June 10 and he and Susan are busy mak-

ing some of their own furniture . . . **Ernie McLaughlin**, our chief Abrasive Engineer, and also our leading golf "pro" has been bothered with a very bad back these past months and it is hoped that the therapy treatments he is taking will help him get better soon so that he can be out playing golf again . . . "Captain" **Gord Dick** has been busy working on his boat these past weekends and is anxious to get it launched. Gord's son, **Bob**, is back with us again, working in the warehouse, after completing his first year at Queens University . . . **Doug Durrell**, Sales & Service Engineer, recently had a nice trip to Huntsville, Alabama, and came back with a nice tan. Doug, as usual, has been building racing cars again . . . We are all happy to hear that **Chris Boak's** cottage didn't collapse during the winter. Last fall he just managed to get the last roof board on when the snows came and he was anxious to see how it survived the severe winter up north . . . **Beryl Hatch** and **Christine Babineau**, Accounting Dept., have been carting plants and cuttings back and forth for quite some time now and I think their gardens should really look good this year . . . **Clayton Dinger**, our Project Engineer, has organized a little golf tournament and they go out every Monday night after work to bash the ball around. I think one of the girls put a hex on their game because every evening they went out it rained . . . **John Foster**, our new Asst. Secretary-Asst. Treasurer, has been coming in the office looking a bit different. It took us awhile to realize that instead of brushing his hair straight back he has been parting it on the side. It really makes you look younger, John . . . Some of our personnel live in an apartment block not too far away from the plant. I understand that there is so much entertaining going on that they have appointed **Gordon Big Canoe** as head of the Social Committee, which I think should assure everyone of getting home early. About 4:00 a.m. you say, Gord? . . . Recently, the town of Oakville in which our subsidiary, McDonald



Co-workers presented Al VanHoecke with a transistor radio when he left his job in the Foundry during May.

Welding Limited is located, held a Centennial Showcase and opened its doors to the public. Our subsidiary company, McDonald Welding, had a booth at this exhibit and had on display many photographs of Wheelabrator Blast and Air Pollution Control Equipment, along with their new line of Flo-Bins which created a lot of interest. Several members of our staff helped out and I believe the message was put across that McDonald Welding has much to offer the public both in equipment and being a good place to work.

Bob Ross

We wish to extend our sympathy to **Max Whittaker** of Methods & Planning in the death of his mother, the wife of **Ralph Whittaker**, Steel Shop Superintendent . . . We were also sorry to hear of the death of **Hildreth Boehnlein's** sister, Mrs. Wade Siler. Mrs. Siler had lived in Mishawaka until 1947 when she moved to Rockford, Ohio. From there she moved to Kendallville in 1959 where she lived until the time of her death.

Methods and Planning Dept.

The following men from North Shipping are currently on vacation: **Tom Allen**, **Horace Sherrill** and **Cecil Jack**. We will write more about their activities when they return . . . **Charles Lindahl**, spray painter, is on sick leave due to an injury and hopes to be back to work soon . . . **Kenneth Williams**, newly-elected steward in

North Shipping, is getting ready to go to Florida and then to Washington and even up to Canada if time permits . . . **Russell Termont** is having a swimming pool installed at his home. We hope he has time to use it this summer . . . **Elmer Byrd** and family will be going to Alexandria, Minnesota on a fishing trip the first week of July. **Andy Conklin** and his family will be there at the same

time . . . **Ray Lidgard** is planning to spend two weeks visiting parks in Southern Indiana . . . **Herbert Hillebrand** and his wife will be heading to Los Angeles by train soon to visit relatives. They also plan to visit Disneyland.

Ralph Holdeman, Assembly, Erection, North Shipping

Mary Golba will be retiring this summer — happy resting! . . . **Nadine Kyle** has been hired to replace her . . . **Vicky Miller** has a new pastime — she spends her noon hour fishing in the St. Joe River. The only thing she has caught so far is the four-fifty charge for the out-of-state fishing license! . . . Our Sales Department was well represented in the graduating classes of colleges and high schools. Following is a listing of those students: **Laura Forbes'** son, Gordon — Indiana University; **Virginia Silvers'** daughter, Linda — Ball State University; **Blanche Hardin's** daughter, Lynn — Washington High School; **Martha Heston's** son, Phillip Wayne — Mishawaka High School; **Ann Sawyer's** nephew, Tom — Mishawaka High School.

Mary Hildebrand, Sales Department

Earl Nifong and his wife visited their daughter and family in Panama during the week of June 3rd . . . **Marv Powell**, Dustube foreman, spent a week's vacation recently fixing up his summer home on Diamond Lake.

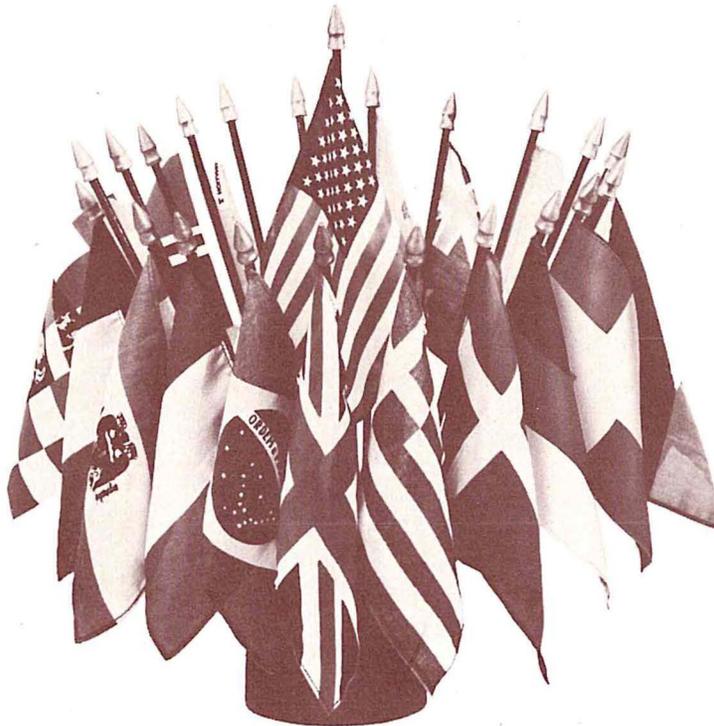
Jerry Hall, Lorco Assembly, Dustube

The former Sue Ann Driver was showered with gifts by the Julianna Club and her co-workers before her marriage to Richard Teeters.



WHEELABRATOR DIVISION OF THE WHEELABRATOR CORP.
600 S. Byrkit St., Mishawaka, Indiana

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Why we fly twenty-two flags in Mishawaka

No matter where you happen to be at the moment, chances are that somewhere near at hand is a manufactured product with metal parts that owe a great part of their performance and long life to Wheelabrator airless blast cleaning or precision finishing equipment and techniques. It may be, too, that the very air you are breathing is cleaner and more healthful because of Wheelabrator pre-eminence in world-wide dust and

fume control engineering and industrial application.

Although our home is in Indiana, we've established Wheelabrator services in twenty-one other countries throughout the Free World, cooperating with local industry to set ever-higher standards in metal finishing and air-pollution control. We're proud of these associations abroad and the privilege of flying so many bright banners right here in Mishawaka!



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The **WHEELABRATOR**
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600 S. Byrkit Street, Mishawaka, Indiana 46544

Wheelabrator Corp. of Canada, Ltd., Scarborough, Ont. — Montreal, Que.

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