

WHEELABRATOR

# PARADE



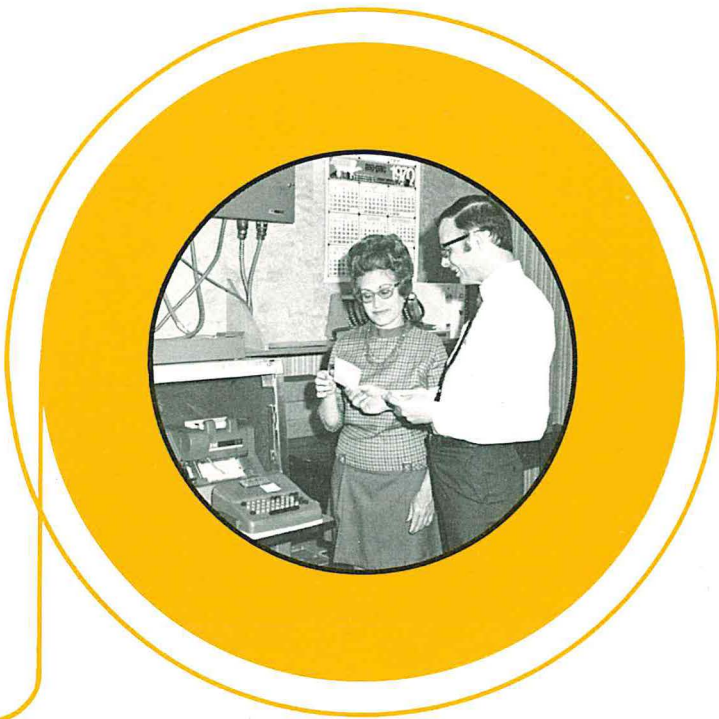
VITAL VALUES  
**W**  
 FOR INDUSTRY  
 WHEELABRATOR CORPORATION

EMPLOYEE'S NAME \_\_\_\_\_

MAN NO. \_\_\_\_\_

↓

DATE	TIME	DESCRIPTION	LOCATION	OPERATOR	GROUP	REMARKS
<b>TALKING TO THE COMPUTER</b> <b>CARD 1</b> <b>PAGES 10-11</b>						
		1 DAY WORK ON	1 SET-UP	1 GROUP WORK		
		2 DAY WORK OFF	2 CONTINUED	2 MACHINES OR OPERATIONS		
		3 HOLIDAY ON	3 FINAL	3 MACHINES OR OPERATIONS		
		4 MACHINES OR OPERATIONS		4 MACHINES OR OPERATIONS		
		5 OUT-OF-CL. ON		5 MACHINES OR OPERATIONS		
		6 OUT-OF-CL. OFF		6 HELPER		
				7 OPERATOR		





## The Break Even Point – What It Means to All of Us

We all have enjoyed the sight of youngsters selling lemonade on a hot summer day and perhaps even participated in such endeavors. Very few of these young merchants ever knew what their product cost since Mother usually subsidized the operation by furnishing lemons, sugar, and ice — everything but the enthusiasm. When Mother's patience and pocketbook ran thin, the business quickly failed.

Their "break even" point — when actual costs of doing business and income were in balance — never materialized. The existence of all industrial firms is likewise threatened whenever the money received in selling the finished product fails to cover the costs involved in its production.

Wheelabrator, like all other firms, is constantly engaged in the struggle to maintain a profitable operation.

Inevitable rising costs make this a difficult problem, but one with clear solutions.

On one hand, competitive pressure makes raising prices (in hopes of greater profit) futile, but on the other hand, we still have the opportunity to enhance our profit position by lowering costs.

Our fixed costs, of course, remain even if we produce nothing. These costs include such items as interest payments, depreciation, insurance, taxes, and the other elements that collectively make up our "overhead" expense.

Therefore it is in the area of variable costs for such items as raw materials, labor, power, supplies, etc., that our individual efforts must be directed to keep our operating expenses well below the break-even point. Savings in these areas will be favorably reflected on our balance sheet and in your profit-sharing fund.

*James F. Comaspta*  
President

VITAL ALUES  
**V**  
FOR INDUSTRY

WHEELABRATOR  
**PARADE**  
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F. CARTER DREVES — Editor  
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Mishawaka, Indiana

### ON OUR COVER

Louis Cookie "clocks on" at a 357 Time Reporting Station in the shop, reporting that he is about to begin a job, and Gwen Stokes and Doug Armstrong watch as the Data Processing Center's Receiving Station instantly records the data. This exceptional and valuable system, which charts much of the work in progress throughout the shop, comes under PARADE'S attention on pages 10-11 in this issue.



# CONTINUOUS TEAMWORK

## PART II

*A Story of Cooperation  
Across the Canadian Border*

**EDITOR'S NOTE:** In the last issue of *PARADE*, we traced the production of the two 96" Continuous Tumbler machines built for General Motors of Canada. That story now moves 360 miles north of Mishawaka, to the G.M. St. Catherine's, Ontario plant, located about 35 miles from Toronto, where the installation has begun production of cleaning castings. Special thanks are due to the Wheelabrator Corporation of Canada and in particular, Alex Horne, Sales Manager, Blast Equipment, who provided *Parade's* liaison with G.M., as well as the details and photographs for the story.

**WHEN THE CONDUCTOR** of the Penn Central signaled that the rail cars carrying the 96" Continuous Tumblasts were ready to roll from South Shipping, the second phase of a story of considerable planning and teamwork began, extending across the Canadian border to G.M.'s plant in St. Catherine's, Ontario. There the machines became what at present are the largest continuous blast cleaning systems in the world. But for Wheelabrator, the installation is a landmark in other ways, too.

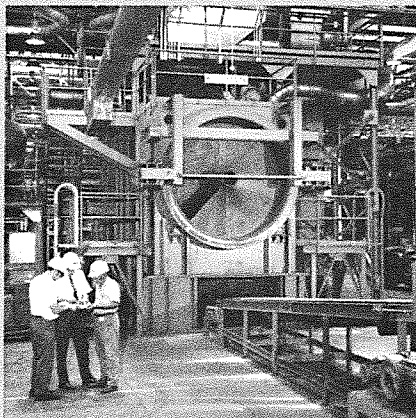
It comprises, in fact, our largest blast equipment order ever shipped to Canada and points to the type of teamwork exemplified at Wheelabrator for many years. The customer, too, saw something exceptional in the installation (besides its size and production potential), commenting that, "For once, a supplier shipped on time."

### **Blast Cleaning at G.M.**

Prior to the advent of the new machines, the plant cleaned (and still cleans) its castings in a battery of 24 various Wheelabrator units. But the new, continuous systems will be put to special

**Above** — Alex Horne (center), Sales Manager, Blast Equipment, Wheelabrator Corporation of Canada, talks with G.M. project engineers J. Cushing and Ian Downey.

**Below** — G.M. Project Engineers examine a part cleaned in a test run of the new machines. In the background — the second "96", fully erected, with the conveyors not yet in place.



use, processing an integral part of all Canadian automobile components.

The new systems, in fact, will emphasize the plant's reputation for upholding one of the highest cleaning standards in its industry. As proof of this, only 33 tons (approximately) of castings will be cleaned every hour in the machines, less than their full production capability.

The Chief Project Engineer on the job explains that the twin

continuous machines have been placed in direct line-of-flow with the plant's latest highly-automated casting lines, and both labor savings and increased productivity are expected. One unit will clean grey iron castings such as intake manifolds and clutch drums, while the other will clean nodular iron castings such as cranks and differential carriers.

### **Teamwork Typified**

But among the most worthy points to recall about the installation is the tremendous teamwork of the entire project. From its inception in Sales, throughout all the planning stages involving G.M. and Wheelabrator Engineering, and throughout manufacturing, this quality has bridged problems often found in projects of this scope. In turn, as the installation began in Canada, the Installation Contractor and Service Department exemplified this quality, too. Referring to this point, Alex Horne, Sales Manager, Blast Equipment, Wheelabrator Corporation of Canada, who "lived" with the job to its completion, said, "Of such stuff are successful jobs consummated."

# A NEW IDEA IN AIR POLLUTION CONTROL

**RECENTLY A NEW DIMENSION** was added to Wheelabrator's full line of air pollution control systems. The company will now produce and market a unique, proven method for collecting liquid particulate matter (such as oil, tar and resinous mists), one of the most difficult pollutant conditions to correct.

The new product, named the Ultra-Dyne, operates on a principle unlike any found in generally accepted pollution control devices. It employs high velocity air to entrap contaminants in a glass fiber filter.

The Ultra-Dyne is the result

of a licensing agreement between Wheelabrator and the Johns-Manville Corporation, who developed the device to solve problems within its own facilities.

Johns-Manville had found that tacky smoke emissions (such as those from an asphalt plant) could not be effectively curbed by conventional air pollution control systems. An original concept was needed and this need led to the development of the Ultra-Dyne design.

## Found Remarkably Efficient

The first commercial applications proved remarkably efficient, and it was also found that waste disposal was "less than minimal." One installation, in fact, collects valuable fuel oil from the gas stream which it feeds back into its fuel tanks.

Further testing showed that the system removed unpleasant odors associated with processes involved with oil, grease, and tar, evidence that the odors were due to liquid particulates, not gases.

These findings have led to the

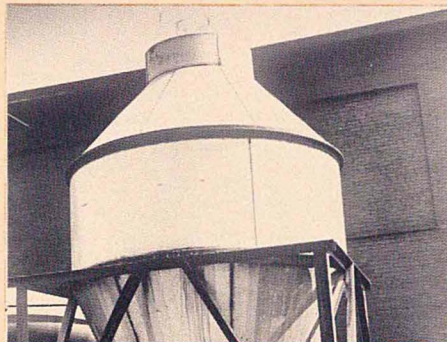
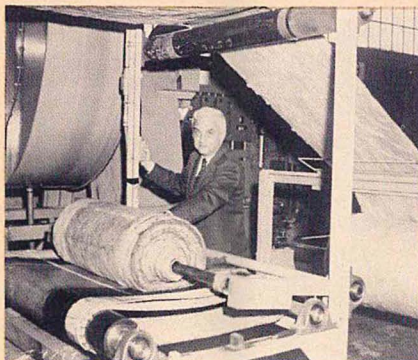
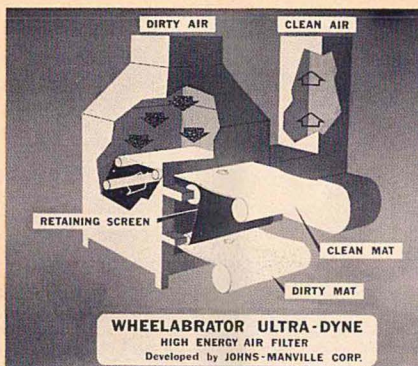
Ultra-Dyne being called one of the most significant innovations in industrial air pollution control in years.

Laboratory work on the Ultra-Dyne is currently underway between Johns-Manville and Wheelabrator, and the ultimate design of the unit may differ from the prototype machine (as shown in this article).

This is not the first time Wheelabrator and Johns-Manville have joined forces to solve an air pollution problem. J-M, which has had an active pollution control program for 25 years, operates the world's largest fabric collection system at its asbestos mill in Asbestos, Que. The basic design of this system, pioneered by Wheelabrator and J-M engineers, is now incorporated at virtually every asbestos plant in the world.

## Wheelabrator Research

A Wheelabrator engineering product group is now concentrating on the research and development of the Ultra-Dyne and pilot models will soon be placed with major manufacturers.



**Top Left** — Artist's conception of the Wheelabrator Ultra-Dyne shows the cabinet where the pollutants are impacted onto a filter mat. **Bottom Left** — Joseph Goldfield, chief of the Air Engineering Section of Johns-Manville, headed the team that developed the new air filtration system. **Top Center** — DIRTY, STICKY emissions pollute the air during asphalt saturation process. **Bottom Center** — POLLUTION from asphalt saturation process is being eliminated by the new air filtration system. Ribbons flying above the stack indicate clean emission. **Above** — Wheelabrator's Ray Leliaert, Director of Research, and Don Colley, Project Engineer, R. & D., are actively engaged in the development of the new Ultra-Dyne.



# BUILDING STRONG CUSTOMERS

## How Our Service Schools Pay Off

**WHEELABRATOR CUSTOMERS** from as far away as Richmond, British Columbia to Pascagoula, Alabama, and from Quincy, Massachusetts to Saltillo, Mexico were among the more than 100 participants at the most recent Customer Service Schools conducted May 11-12 and 18-20. In all, the separate conferences saw representatives in attendance from 51 firms interested in or now using Wheelabrator blast cleaning and dust collecting equipment. In terms of equipment, the group represented about everything Wheelabrator manufactures, from a giant 32-wheel structural machine at General Dynamics to the smallest Tumbleblast, but everyone had something to gain.

### Why Have the Schools?

Wheelabrator gains, of course, only if our customers do and the Service School consists of a carefully developed course covering all phases of blast equipment operation, design, maintenance, and evaluation. The

course is a practical one that acquaints attendees with Wheelabrator's full product line and willingness to help solve cleaning problems. Plant tours, demonstrations, general seminars, films and private discussions keep customers up-to-date on the latest developments in our product line. They become familiar with the proper ways to order supply parts so that both from their standpoint and ours, efficient, accurate service is assured.

### The Return

Many years of successful Customer Service Schools (they began in 1953) have brought real returns in terms of future business and strong customer relations. Direct, personal contact can't be beat when it comes to building customer esteem and confidence, and two letters received after the recent schools are perhaps the best way of showing this effect.

*"Your Company and mine made it possible for me to visit your plant May 18th and 19th.*

*"I feel a little 'bread and butter' letter is in order, especially since I was made to feel at home.*

*"Aside from what I learned (my boss is happy about that) I also met*

**Top, left** — Participants examine a large casting cleaned on a Swing Table in the Demonstration Lab. **Top, right** — Bruce Berger (center) discusses shot blasting repair parts made in Wheelabrator's own foundry. **Right and left** — Participants in the May Customer Service Schools pose in front of the Research Center.



*individuals in your organization who showed an interest in our problem and that made me feel that their interest was real.*

*"I would like to commend you on your training program, on the way my two days were arranged by you and again, on the capability and interest I encountered in the men I was privileged to talk with.*

*"Thank you for two very informative and interesting days."*

*"Thank you very much for the wonderful three days and hospitality at the Wheelabrator Training School. I know that my company will prosper from the vital schooling and warm relationship of our companies.*

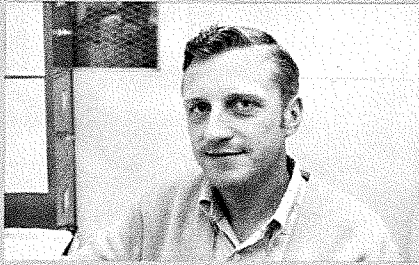
*"I am looking forward to a personal visit from you to Baltimore. The welcome mat is always out. Your company is really big league."*

### Wheelabrator Participants

Helping to plan and conduct the recent service schools were Philip R. Jordan, Dale Reddricks, F. K. Baldauf, Bruce Berger, M. D. McCally, A. H. Freeman, A. F. VanHuffel, H. W. Hull, and H. W. Stebbins. But in reality, everyone at Wheelabrator plays a part in the important business of giving customers the quality products and service they have come to know from Wheelabrator for years.



## **V**e knew him when



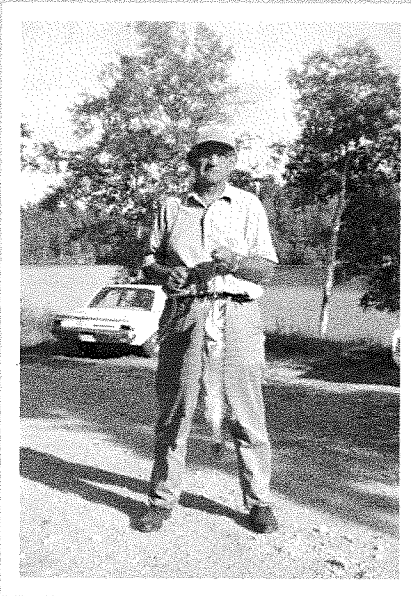
### **JIM HULLINGER**

Jim Hullinger, foreman of vibratory and fabric filter collector assembly, has been a lifetime resident and employee in the Michiana area. Formerly the Supervisor of the parts warehouse at Studebaker, Jim came to Wheelabrator in 1965, first working in the Processing area of Methods and Planning, later moving to Tool Design and Product Development. A graduate of North Liberty High School, Jim has studied tool design at the Acme Institute of Technology. He also has served as Past Master of the North Liberty Masonic Lodge. Jim is a league golfer, but he admits

to an undistinguished game. His real interest, he says, is getting a snowmobile next winter. If he does, he's sure got the place for it — a 40-acre farm in North Liberty where Jim and his wife, Diana, have been busy remodeling their 100-year-old farmhouse. The Hullinger's are busy people — Diana working at St. Mary's Convent and Jim driving some 50 miles round trip each day to work — but they still make time for travel, especially to California and Florida which they have visited alternatively for the last four years. "They're great vacation places in February," Jim says, "when you've had enough winter."

## Friends Remembered

*Featuring Our Retired Friends*



As the above photo shows, the fishing at Crow Lake was good for Bert Waznik, a retiree who spent his Wheelabrator years designing dust collectors. Bert and his wife Cecilia have 11 grandchildren and belong to the PNA Club and attend St. Jude's Church. Bert reports that "we visit our sons in Lebanon, Indianapolis, and New Albany, Indiana and Highland Park, Illinois, at least twice a year." Bert also has returned a number of times to Alliance College, Cambridge Springs, Pennsylvania, for alumni meetings. Apart from travel, the Wazniks enjoy reading, garden work (flowers) and note that the profit-sharing plan has "helped very much." Bert also adds that the "insurance plan just can't be beat."

Joe Flory, former PARADE editor and Plant Security Guard, has been gathering material for feature writing while motoring through Ohio and Southern Indiana. Joe enjoys writing on topics of human interest and spends part of his time selling advertising specialties and sales promotion items. Profit-Sharing and In-

surance? Joe says, "They both have afforded me with a worthwhile 'cushion' in my retirement and I suggest all Wheelabrator employees take advantage of them."

Samuel A. Hearrell, formerly Chief Industrial Engineer, and his wife, Clarice, have visited both the cold and warm climates recently — Florida and Arizona to Barrow, Fairbanks and Anchorage, Alaska! At home now in Florida, Sam is active in both the Masons and the Shrine. His comments on Profit-Sharing — "One of the best things ever done by the management at Wheelabrator. You can make enough on it to retire in a delightful manner. Without the profit-sharing and insurance programs a great many Wheelabrator employees would have rather lean years ahead of them. I cannot speak too highly of these programs!"

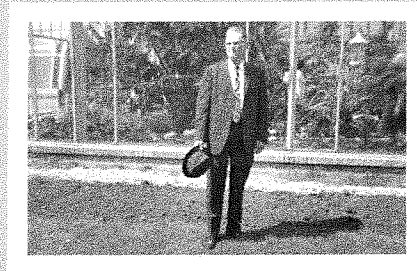
Greg (Abe) Thompson, general foreman — machine shop, reports from Citra, Florida — where he and his wife, Esther, are building a home on Lake George ("Bass Capital of the World"). Both Abe and Esther are active as instructors in the 4H, where he teaches electricity, safety, and engine maintenance and she teaches sewing. "My wife and I have only praise for the Wheelabrator Profit-Sharing and feel secure in the insurance plan we carry through Wheelabrator."

Harold R. Garman, whose last position was as assistant manager of service and erection, says that Wheelabrator Profit-Sharing and insurance plans "give that added security which means so much in retirement. In other words, no worries." Harold, a retired USAF Lt. Col., and his wife, Virginia, visit Grissom Air Force Base each month and "have a big time." They also enjoy yard work, and "going places when you feel like it with no time table." Harold's a HAM Radio Operator (W9GQE), a 32° Mason, and is a man who is thoroughly enjoying his retirement — in his words, "just having fun."

Ralph Antrup, who worked 12½ years in the Plant Engineering Department, is out of the hospital, and in good health. "I do want to thank the Insurance Program," he reports.

Clare A. Hayden, former make-up man on elevator casings, is a semi-invalid now, due to emphysema. He has 27 grandchildren and seven great grandchildren.

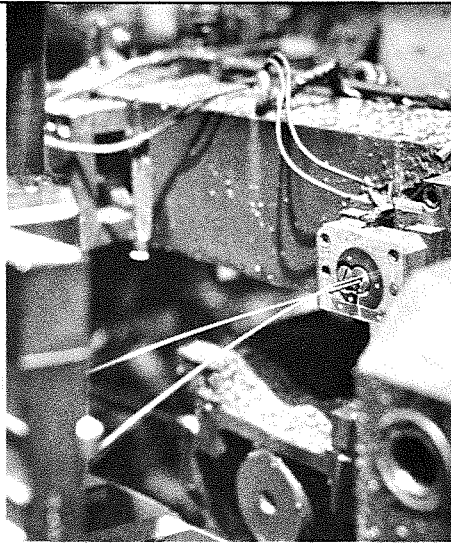
Lena M. Turner, who worked in the Machine Shop Office, has spent several winters in Tucson, Phoenix, San Diego, and Los Angeles. She likes to read and entertain friends, and reports that "Profit-Sharing made it possible for us to travel, helped in keeping up our standard of living. It has been wonderful. Insurance was a real life saver during several illnesses. Also, I am very grateful for the Christmas gift of a lovely turkey and the check to cover social security deductions. Wheelabrator has been most generous."



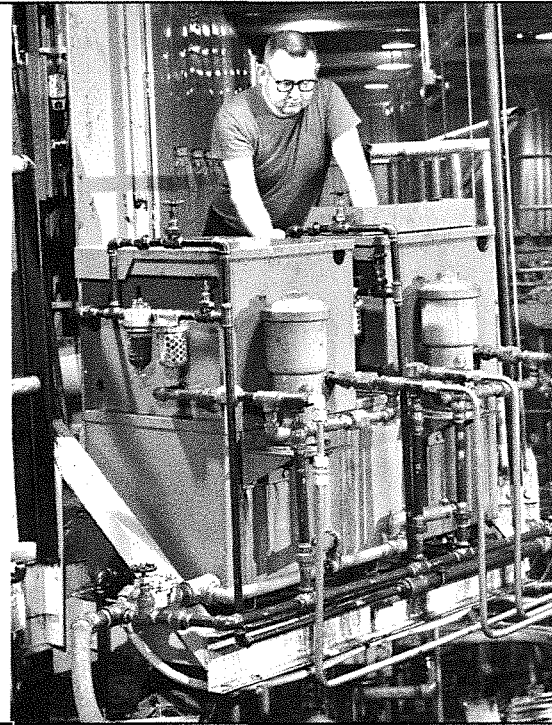
O. C. (Clark) Unger, who worked in the Stock Room, reports that he and his wife, Blanche, are busy working with their church (they spend about 30 hours a month in Jehovah's Witness Field Ministry) and traveling. Last July the Ungers flew to Calgary, Canada, then motored through the heart of the Canadian Rockies by way of Banff to Vancouver. "It was the most scenic 1200 miles anyone could wish to see," reports Clark. "I want to thank Wheelabrator for hiring me," he adds, "and I must say that I enjoyed every day I worked there. I am thankful for the provisions they made for me when I retired. . . . Profit-Sharing made it possible to retire at 65, and I'm more than thankful for the insurance. I was in the hospital 40 days this year, and my doctor and hospital bills of well over \$3,000 were taken care of by Medicare and the insurance Wheelabrator provided."



A Jet Pulser assisted drill "digs in" at 500 revolutions per minute.



Above — The "business end" of Ford's Jet Pulser system, clearly shows the injection principle of the oil hole drill (at low pressure). Right — A machinist examines Ford's Jet Pulser units.



## How Ford Puts the Jet Pulser to Work

**BALCRANK'S JET PULSER** continues to draw industry's attention as dramatic new applications for it are made. One such application can be found at the Ford Motor Company's plant in Indianapolis, where the Pulser is proving its worth many times over.

At Ford, the Jet Pulser has been adapted for multiple drilling operations on power steering housings. Currently in use are 2 central systems on transfer machines, and an additional installation will be made when Ford's new 58 station transfer line is completed. (The transfer line is a drilling operation that manufactures a maximum amount of parts with a minimum amount of labor.)

Ford's present Jet Pulsers, however, have amassed some facts interesting to the layman and engineer alike. For example — holes formerly drilled at the rate of 5-6" per minute now are turned out at rates of 20-22" per

minute! "Down time" (the time it takes to change tools, for example, which is valued at \$8.00 per minute) has been cut from 30 minutes per 1,000 operations to two minutes per 1,000! Scrap rates are lower on these stations (due to lack of tool breakage), average tool life is up, and drills need regrinding only after 2,000 holes (each hole is over 7" deep). Some of the drills have been sharpened 15 or more times for better than 30,000 holes per drill. The result: the lowest possible cost per hole drilled.

### How Does It Work?

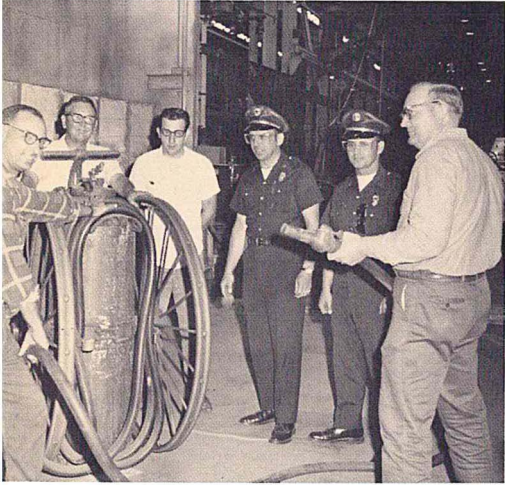
In operation a drill equipped with the Jet Pulser might be likened to a spinning hypodermic needle, for the Pulser injects the coolant fluid directly through the whirling drill — but unlike the hypodermic, the coolant payload is delivered in pulsating bursts. This pulsation prevents chips from impacting in the drill hole, eliminating the need to withdraw the drill periodically to remove chips.

In addition to the Ford installation, companies now utilizing

# Jet Pulser's PENETRATION PLUS

Jet Pulsers on a variety of drill presses, turret lathes, and automatic screw machines include Pratt & Whitney Aircraft Division, United Aircraft Corp., Ingersoll-Rand, General Electric, Westinghouse, Boeing, the Atomic Energy Commission, International Business Machines, and H. K. Porter, Inc.

## FIRST LINE FIRE PROTECTION



City of Mishawaka Fire Inspectors Captain Gene Goddard and Lt. Skip Deal survey a demonstration of first-line fire protection equipment used in the painting area conducted by Wheelabrator Fire Brigade Squad Leaders N. Wiskotoni, R. Smessaert, G. Strahan, and J. Clardy.

**THE 40 MEN** who comprise Wheelabrator's Fire Brigade

could be characterized by these three words: Foresight, Dedication, and Importance, for they are men who recognize the value of a first-line fire fighting unit within our plant and are willing to give the hours necessary to train for a job which, if they ever are called on, would be vital.

Fire Brigade volunteers come from all shifts and can be found in every area of the plant. Many are based, however, in Plant Engineering, and their particular familiarity with plant layout would be especially important in dealing with a fire.

Organizationally, the Brigade is made up of three Squads, covering Research and Development, Plant 2, and Plant 1. Each Squad includes two Squad Lead-

ers, two "Sprinkler Valve Men" and extinguisher crew members. Serving as Squad Leaders for the Brigade are: C. L. Sullivan, R. Frye, M. Huff, J. Smith, E. Culp, J. Gemmer, R. Gervais, B. Nastos, N. Wiskotoni, J. Clardy, G. Strahan, and R. Smessaert.

Capable of using all portable fire fighting equipment in the plant, Brigade members train at regular monthly meetings. Films on fire control and prevention are viewed, and hose drills will be conducted this summer. Also, every man in the Brigade has been instructed in mouth-to-mouth resuscitation from the local fire department and this fall, the Brigade will receive additional training in mechanical resuscitation.



Pat Stoeckinger might boast of answering more phones than anyone at Wheelabrator. She is our P.B.X. operator (Private Board Exchange) and daily handles incoming calls to Wheelabrator's 360 telephones. In her present position as Chief Operator (we have three) Pat notes that she has trained "like a hundred" girls in the art of running a competent switchboard. 20 years with Wheelabrator, Pat has also worked in our Filing Department and as a Receptionist.

Pat likes to play bridge, swim, dance, and work in the yard — where she has "just a few flowers, mostly lawn and trees." She and her husband, Ralph, also a Wheelabrator employee, enjoy traveling and recently visited their son, Jerry, and his family when Jerry received his Master's degree from U.C.L.A. "Our visit was a surprise to Jerry," says Pat, and adds that Jerry, who worked summers at Wheelabrator while at Purdue, now is a welding engineer at McDonnell-Douglas Aircraft in Los Angeles.

Pat and Ralph Stoeckinger live at 222 North Tuxedo Drive, South Bend.

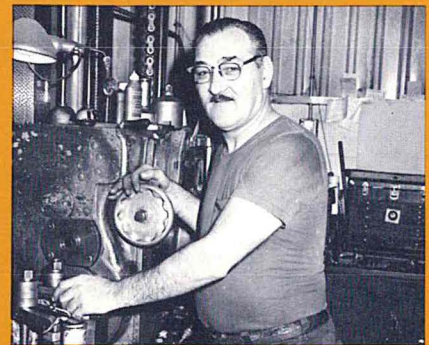
## On the Job



"I started as a polisher with Balcrank in 1942," says Elmer Livingston, but when the war curbed production of bright-finished car accessories, I became a machinist, turning out 20 mm. shells. I've been a machinist ever since."

An experienced automatic screw machine operator on the second shift, Elmer enjoys many sports, favoring football — and the Chicago "Bears". It takes little effort to get Elmer to do yard work — "I like the outdoors," he says, "gardening, raising flowers, and fishing."

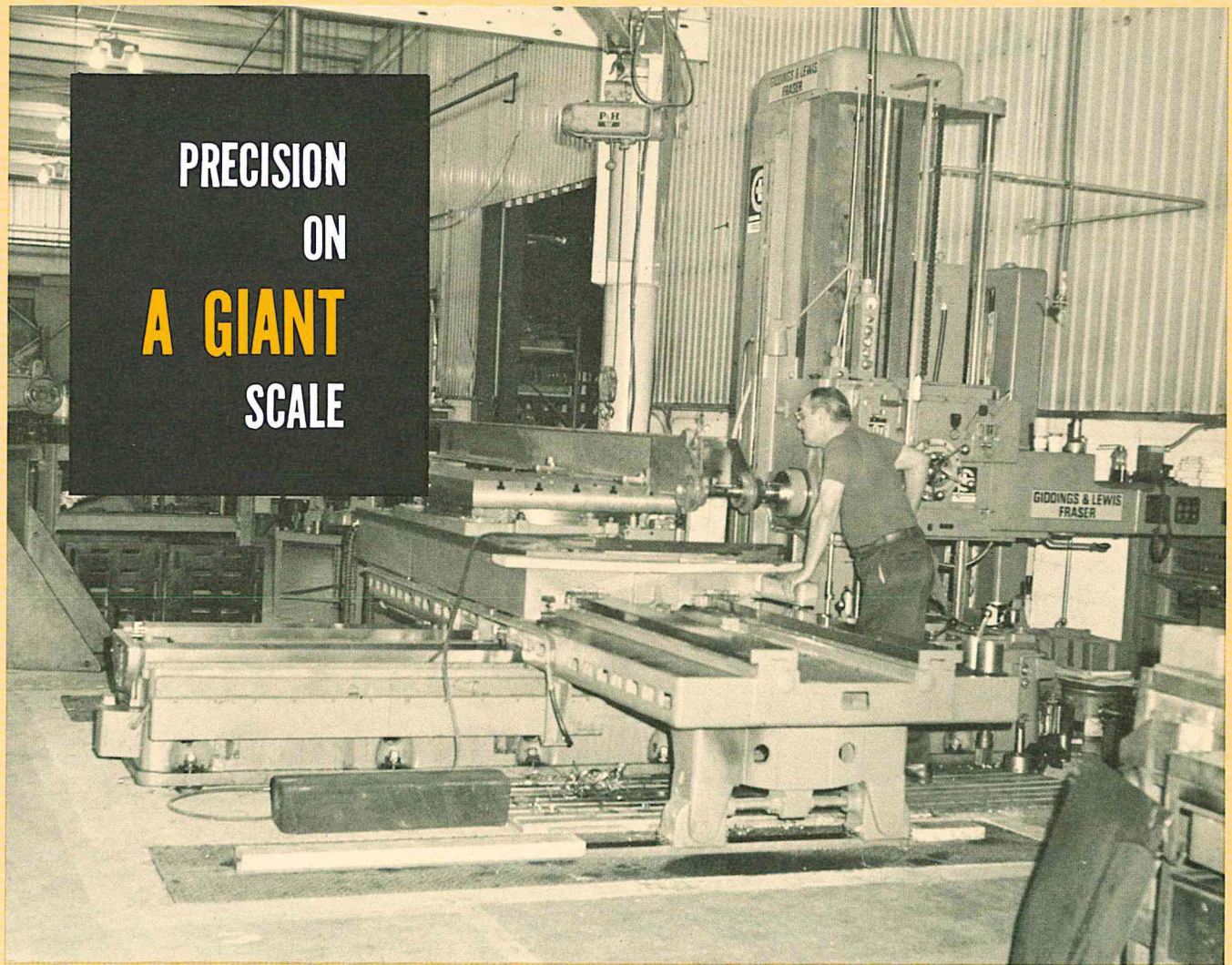
Elmer and his wife, Nina, have a married daughter in Tennessee. The Livingstons reside at 529 West Battell Street, Mishawaka.



Andrew J. Rupchock, a 26-year Wheelabrator employee, says he is a "machinist by trade and a numismatist by preference." Andy, who has worked in both the Machine and Steel Shops and is experienced in the drilling, lathe, and assembly operations performed on Wheelabrator products, currently operates a new boring mill in our Machine Shop. For 40 years an enthusiastic numismatist (collector of currency), he is a charter member and organizer of both the South Bend Coin Club and the Indiana Numismatists' Club. Nationally, Andy is an active life member of the Central States Numismatic Association and the American Numismatists' Association. Like many numismatists, he is both proud and careful with his collection. "All my numismatic holdings are locked in a vault. I keep none at home," he says, recognizing the danger of theft. Andy also is an auctioneer and both he and his wife are antique hobbyists. "Give her the credit for the antiques", he adds.

Andrew and Ethel Rupchock live at 932 West LaSalle.





**PRECISION  
ON  
A GIANT  
SCALE**

A MICROMETER WILL MEASURE the thickness of a hair at .003", but the new horizontal boring mill, located at the south end of the machine shop, can hold tolerances close enough to split that hair again and again — 30 pieces in fact — and do it accurately. It's a valuable machine and one worth a second glance — or several.

According to machine shop superintendent Max Whittaker, the boring mill was acquired because "over the years the scope of our machining operations has increased. We are getting bigger jobs all the time and with the new machine we can do precision drilling, boring, and milling, handling large or small items, long or short runs." Typi-



cal items to be run on the machine include Lorco bowls, housings, table spiders, loading arms, and piece parts for dust collectors and blast equipment.

An unusual feature of the new machine is its electronic numerical measuring system that gives the operator machine positions to .0001", improving part accuracy and assuring that the operation can be exactly repeated time and again.

**Top** — The Machine Shop's new horizontal boring mill is big enough to handle any job given it — from 108" long to 60" high. **Center** — Foreman Carl "Dutch" Losekamp and Andy Rupchock, who operates the new machine, examine the mill's electronic measuring device which shows the length, depth, and height of machine positions at any given moment. **Bottom** — Here's where the work gets done — Machine operator Andy Rupchock watches the mill skin a critical .001" from a loading arm, prior to fitting the piece with brass bushings.



## Talking to the Computer

### How and Why Our 357 Time Reporting System Operates

**FOR WHEELABRATOR, THE COMPUTER AGE** arrived in the early 1950's with a "unit card" system and a small calculator, but as better systems emerged, Wheelabrator adapted them. Today we operate one of the most advanced data systems known, IBM's "third generation" 360 computer.

Over the past 18 months, however, a new development has assisted in linking our computer to employees in several areas of our plant. Known as the 357 Time Reporting System, this innovation relies upon the employee "speaking" to the computer, both before and after a job is completed.

Essentially a simple system, the 357 in some ways contains all the mystery of how a person can dial a few numbers on a phone and seconds later speak to someone in California.

#### How Does It Work?

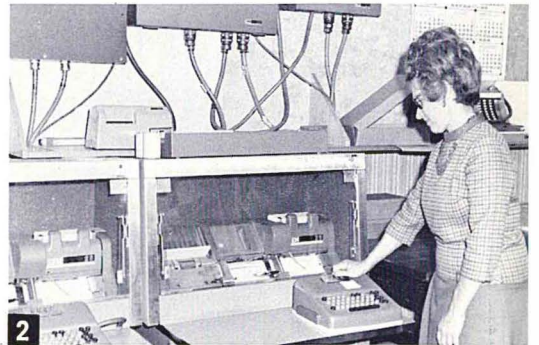
Before a job enters the shop, a deck of computer cards, each one listing a particular manufacturing step, is punched at the Data

Processing Center. The girls who do this work forward the cards to Production Planning, where the cards and process sheets (which detail the manufacturing steps) are inserted, along with blueprints, into protective, self-sealing envelopes. Only then is the job ready for the shop.

As each manufacturing operation begins, the man performing the work removes the respective operation card from the envelope and inserts it, along with his IBM identification badge, into one of the sending stations located at key points on the shop floor. Currently eight of these units, known as "Clocking on Stations", are in operation, with the final two installed early this year.

#### Instant Reporting

When the man "clocks on", a new card is simultaneously punched at the Data Processing Center's "Out Put" station, recording the man's name (as a number), the time he began the job, the machine center, and other pertinent data. A fully



1 — Bud Kyle and Helen Swartz place the pre-punched operation cards into self-sealing plastic envelopes, along with process sheets and blueprints.

2 — The cards, as they are inserted along with the employee identification badge into the 357 sending station, transmit an electronic message notifying the Data Processing Center's Receiving Station that a manufacturing operation is about to begin. Gwen Stokes watches as the receiving station, using the incoming data, then punches a second set of cards.

3 and 4 — Once assembled, the cards are entered onto computer discs. (Jack Peyla, computer operator, and Jim Robinson, Manager, Data Processing and Systems, transfer the cards from the receiving station to the computer.) This permanent disc record can be replayed at any time.

5 — In a matter of minutes, the 357 data, received from the shop, is transformed into printed reports by the computer, giving a comprehensive picture of the work in progress in much of the shop. Also, the 357 data creates the Payroll Variance Report, a system that "checks" for accurate paychecks. Here Ed Huemmer, Payroll Supervisor, with Jack Peyla and Ron Wachs, Computer Department, examines an item on the Variance Report.

6 — The reports get plenty of mileage. Top — Ed Huemmer, Edna Fleming and Joyce Nowal, Payroll Department study the Payroll Variance Report, assuring accurate paychecks.

7 — Will Young, Inventory Control Superintendent, Bud Kyle, Office Services Manager, Jack Beery, Materials Control Manager, and Jim Robinson, Manager, Data Processing and Systems, examine the Daily Machine Center Report which shows the state of production on a given day.

automatic unit, the "Out Put" station consists of one "key punch" machine to create the cards and a "back up" machine in case the first breaks down.

Later, when the man completes the job, he "clocks off", reporting how many pieces were finished. The completion time for the job is automatically registered. (Additional data, such as whether a job will be held over or the number of pieces completed are dialed in by the employee on a key unit beside the station.)

### Why the Data?


With the data now recorded at the Out Put Center, several important computer records are developed, each bearing upon Wheelabrator's profitable operation. First, is the *Daily Machine Center Report* which shows the state of production for a given day. Keeping our customers satisfied — so they return to us again and again — is the goal, and by using the 357 system, we go a

long way in assuring that our orders are completed on time. Nowhere is the tremendous efficiency in the system proven better than in the rapid reproduction of the *Daily Machine Center Report*, which now is returned to the shop less than 12 hours after the data is received. Then, if adjustments have to be made to meet a customer's needs, they can be done quickly.

### Your Paycheck "Check"

For the employee, though, 357 data creates the *Payroll Variance Report*, where the total jobs done by a man are balanced against his time card. According to Ed Huemmer, Payroll Supervisor, "A man's paycheck is only as valid as the data he reports. The *Variance Report* makes sure he is paid everything he's due, and this is particularly true if he is on piecework pay or working out of his classification. The 357 actually increases the accuracy of the paycheck."





*This Earth - - -*

*with its great green trees - - -  
its infinite life - - -  
and boundless beauty - - -  
the only earth there'll ever be.*

*These Waters - - -*

*of deep springs - - -  
of rivers and lakes - - -  
drops of dew - - -  
and clouds above - - -  
all the water there has ever been - - -  
all - - - there will ever be.*

*The air all around - - -*

*that everything must breathe - - -  
over and over - - -  
forever and ever.*

*Love this earth - - -*

*love it as much as life itself - - -  
earth from which all life has come - - -  
earth to which all life returns.*

*Love its waters - - -*

*and keep them clean - - -  
water on which all life depends.*

*Love clear air - - -*

*care enough to keep it clear - - -  
clear enough to see the stars - - -*

*And earth will remain - - -*

*beyond time.*

*-- Gwen Frostic*

*Every  
Employee*

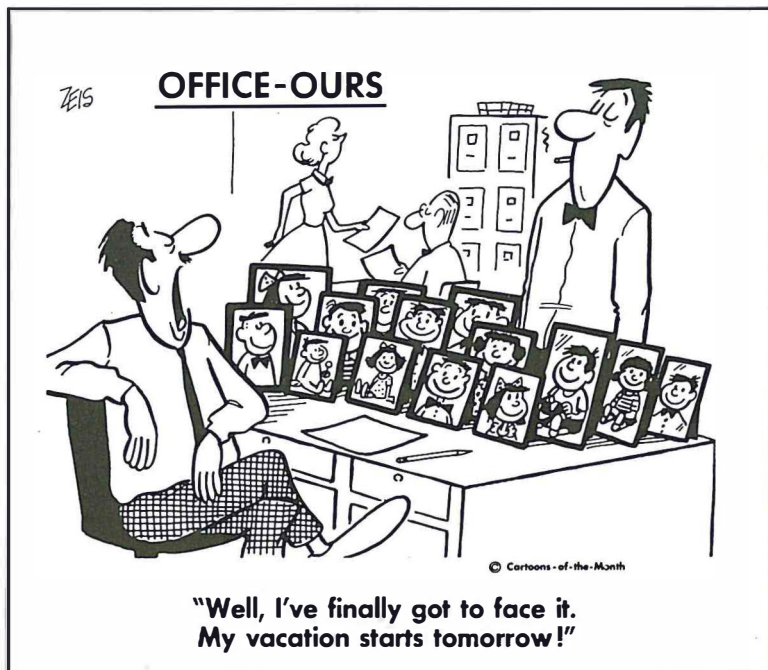
ANY PERSON in a profit-making organization is, or should be, a profit center, i.e., one who can help influence profits. The importance of every person considering himself as such can be illustrated with the following example:

An executive visiting a small regional plant asked the manager, who was in charge of profits, to produce a record of expenditures for the last quarter. One item listed was a \$1.50 wrench. When the executive asked to see it the manager said he didn't know what had happened to it. It was then determined that the wrench, now lost, had required \$100 worth of sales, now wasted, to pay for it.

## A Profit Center

Examine your own individual profit center to determine what you can do to make your job more productive and profitable. Keep an eye open for improvement in other areas. It can really pay off.

Your contribution could have a decided effect on Wheelabrator's growth and, in turn, the growth of your profit-sharing account. The effect you have on profit-sharing may seem small — and perhaps it is small — but the opportunity to help is there. Use it and the total result will be anything but small.



# people AND events IN THE NEWS

## Anniversaries



**35 YEARS**  
C. A. Soens

### 30 YEARS

O. J. Boembeke  
F. J. Ruff  
J. D. Baugher  
J. N. Burch  
J. P. Curtis

### 20 YEARS

H. A. Sohlke  
V. M. McFall  
F. F. Beals  
J. J. Corwin

### 15 YEARS

H. K. Ostrom  
C. T. Brzezinski  
R. Oliver  
C. H. Ebright  
E. Williams  
C. F. Britton

### 15 YEARS

J. L. Shafer  
C. O. Martin  
A. O. Raven  
R. L. Frye  
R. G. Clark  
H. O. Goodwin  
A. R. McFarland  
R. L. Decker  
J. A. VanLaecke, Jr.  
R. M. Sloan  
V. L. VanderBeke

### 10 YEARS

R. E. Gibson  
H. M. Kronewitter  
H. R. Groh  
S. F. Keresztesi  
F. J. Lynch, Jr.

## Noise Abatement Program Initiated



A Noise Abatement Conference is conducted by T. E. Mott, Automotive Industry Manager in the Board Room.

Although Wheelabrator has been an active force for many years in the development of air pollution control systems and technology, and has also developed the non-acid process for descaling steel (which eliminates a potential water pollution hazard existing when acid is used), Wheelabrator engineers are now turning their attention to a third dimension of pollution

control — Noise Pollution.

Noise, especially when it exceeds acceptable standards (as outlined in the government's Walsh-Healy Act, set down ten months ago), can be extremely injurious to humans. Recurring headaches, nerve damage, hearing defects, and even permanent deafness can result, but with proper study the noise emissions can be controlled or eliminated at their source.

Realizing that their plants must conform to government standards, plant engineers are now turning to their supplier firms for answers, and Wheelabrator Engineering and Sales Personnel are at work to provide them. Also, the project seeks ways to curb noise emissions from blast equipment of all designs, assuring that our product line will comply with government codes.

Wheelabrator and General Motors initiated the study group some months ago, as a combined

effort by staff engineers and Wheelabrator's Noise Abatement Consultant, Dr. A. Semmerlink from the Illinois Institute of Technology's Research Institute. Isolating sources of noise on particular pieces of shop equipment, with special interest on blast equipment, has been the focal point of the study, and enough information has already been gathered to provide G.M. with Noise Abatement recommendations.

Participating in the Noise Abatement project with G.M. are N. C. Kachman, Staff Engineer, G.M. Plant Engineering, Pat McElheron, Chevrolet Central Office, **Dr. A. Semmelink**, Senior Research Engineer, I.I.T.R.I., **D. R. Neeld**, Vice-President — Engineering, Wheelabrator, **T. E. Mott**, Automotive Industry Manager, **M. Noble**, Engineering Supervisor, **G. Delio**, Project Engineer, **T. Burmeister**, Engineering, **D. F. Bender**, Regional Engineer, Detroit.

## Straub Publishes Significant Article

**John Straub** contributed the lead article to the June issue of *Manufacturing Engineering & Management* magazine, a monthly publication of the Society of Manufacturing Engineers. "Shot Peening Wing Panels for the

747" was the title of Straub's article in which he discussed the technology behind the Wheelabrator shot peening installation in use at the Boeing aircraft plant in Auburn, Washington.

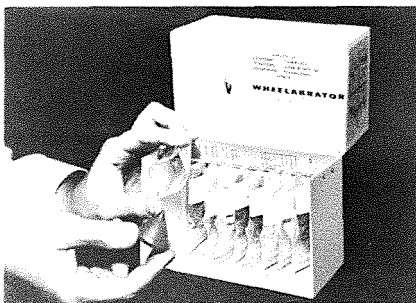
## Supervisor's Club Lists New Officers

New officers of the Wheelabrator Supervisor's Club are **Charles Carlin**, President; **Joe Weinkauf**, Vice-President; **Will Young**, Sec-

retary; **John Schaefer**, Treasurer. The Club will resume its monthly meeting and schedule of events for 1970-71 in September.

## New Kit Puts Media into the Customer's Hands

A novel way for introducing a customer to Wheelabrator's line of vibratory and barrel finishing



Various types of Wheelabrator finishing media can be easily removed for examination from the unique Wheelabrator Media Kit.

media has been created.

Known as the "Media Kit", the unique device consists of a collection of media samples enclosed in a hinged box. The samples, which can be pre-selected to suit a particular customer's needs, are contained in self-sealing plastic envelopes and can easily be removed and examined by the customer. This means a real "plus" for giving customers first-hand experience with Wheelabrator media.

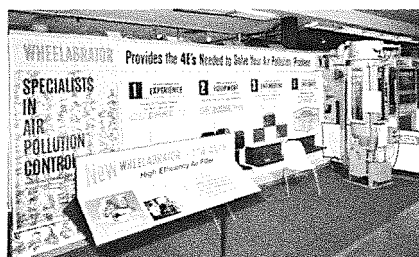
## Speaking for Wheelabrator

Neil Graves, Project Engineer, Air Pollution Control, conducted

an illustrated lecture on the topic, "Operation and Industrial Application of Electrostatic Precipitators" for assembled attendees at the 63rd annual conference of the Air Pollution Control

Association, held June 14-15 in St. Louis. Graves discussed the performance of the precipitator, special design considerations, operation, and typical industrial applications.

## 1970 Air Pollution Show



Wheelabrator's display at the Air Pollution Control Association show.

Wheelabrator products featured at the 1970 Conference and Exhibition of the Air Pollution Control Association held June 14-18 in St. Louis included an operating model of the Ultra-Jet self-cleaning fabric filtration system and the latest development in the Wheelabrator air pollution control line, the Ultra-Dyne high energy air filter (See PARADE, p. 4, for further details). The theme of Wheelabrator's exhibit

was "Wheelabrator Provides the 4 E's Needed to Solve Your Air Pollution Problems — Experience, Equipment, Engineering, and Efficiency". Attending the Conference were research scientists, federal, state, and local officials, engineers, industrial leaders and many others concerned with developing and utilizing air pollution control systems.

## Fishing Contest Gathers Speed

From November 1st through October 31st, the Athletic Association's annual fishing contest sees Wheelabrator fishermen turn in some remarkable catches.

Rules say that all fish must be caught within 100 miles of Mishawaka and only full-time employees are eligible. The fish are judged by length alone and cannot be frozen. If ties occur, the winners split the first and second prizes for the division. Leading in their respective divisions at the time of this printing are **J.**

**Berta**, 22 $\frac{3}{4}$ " Coho; **Berta and Hummel**, 10" Bluegill each; **Berta**, 11 $\frac{1}{2}$ " crappie; **M. F. Powell**, 18 $\frac{1}{4}$ " L.M. Bass; **Joe Brugh**, 21" S.M. Bass; **J. Flowers**, 11" Perch; **D. Waumans**, 26 $\frac{3}{4}$ " Catfish; **P. Case**, 25 $\frac{1}{2}$ " Trout; **D. Waumans**, 32" Carp. Divisions with no entrants include Walleye Pike, Northern Pike and Suckers.

## New Employees

Karl Marozan, **Plant Engineering**; Otho Wordinger, **Foundry**; Albert

Olszewski, **Assembly**; Lawrence Carcare, George Tohl, Gail Flood, Robert T. Meredith, **Sales**; Jack Thomas, **Executive**; James Brambert, Charles Runyon, **Engineering**; Jay Stackhouse, **Ind. Engineering**;

Raymond E. Powell, Jack Gilpin, Floyd Carver, Eric Brandt, Lloyd Miller, Kathleen Rallo, Ruth Benson, Becky Jones, Donald Schinbeckler, Robert Hahn, **APC**; E. Vincent Hawkins, **Production Control**.

## Significant Sales

A Multi-Bar cleaning machine, equipped with unloading devices and conveyors was purchased recently by Corey Steel, Chicago, Ill. General Dynamics, Quincy, Mass., who operate one of the largest Wheelabrator blast cleaning installations built to date, has purchased a 6-wheel plate

cleaning machine, equipped with a dust collector. Sea Train, a major ship building firm which occupies the former Brooklyn Navy Yard, has purchased an 8-wheel horizontal plate machine.

Air Pollution Control orders include a 24 Baghouse installation at Union Carbide Corp., Niagara Falls, N.Y., a 96 Gas Passage Electrostatic Precipitator to

be installed at the Lone Star Cement Corp., Greenwich, Conn., and six completely continuous automatic dust collectors at Superior Steel Castings, Benton Harbor, Mich.

Eighteen completely automatic Dust Collectors have been purchased by AIRCO Alloys & Carbide Corp., Niagara Falls, N.Y. to ventilate Ferro-Alloy furnaces.

# NEWS & VIEWS



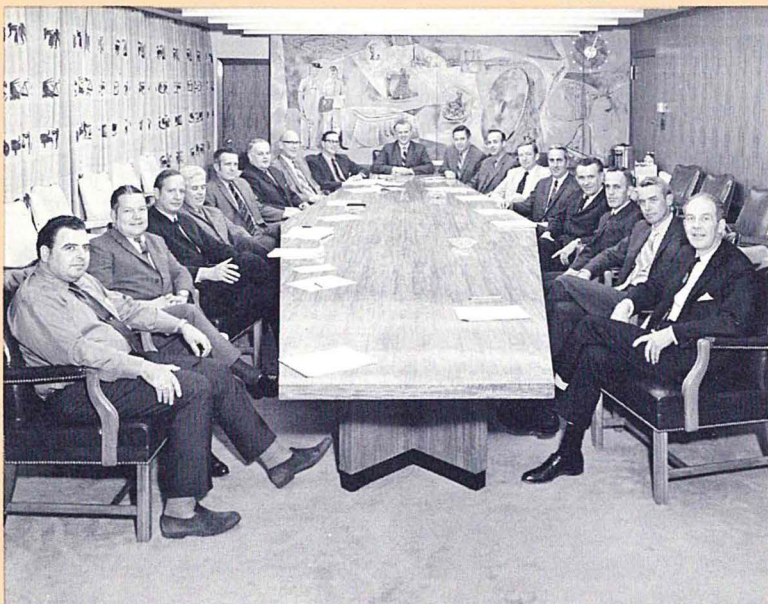
Executives from Sintobrotor, Wheelabrator's Japanese affiliate, and Wheelabrator recently met to discuss Far-Eastern operations. Front row — R. S. McMahon, Manager, Far East and Middle East Operations, James F. Connaughton, President, Kakichi Nagai, Chairman of the Board Sintokogio, Ltd., Hideichi Kondo, President, Sintokogio, Ltd. Back Row: Susumu Watanabe, Director, Sintobrotor Shiro Yoshida, Statutory Auditor, Sintobrotor, Yuzuru Nagai, President, Sintobrotor, Noboru Takada, Vice President, Sintobrotor.



Armando Nicolini, Engineering Liaison Manager-International Operations (far right) conducted seven engineers from the Renault Automotive firm, Boulogne, France, on a tour of our plant in June.



George W. Roper, Manager, Special Engineering Projects — Air Pollution Control, and Takeshi Yoneda, Dust and Fume Specialist from Sintokogio Ltd., Wheelabrator's Japanese licensee look at photographs of Wheelabrator's international plants. On the final phase of a trip that has taken him to industrial plants in many parts of the world, Mr. Yoneda spent several days with personnel from Wheelabrator's Air Pollution Control Division before returning to Nagoya, Japan.



Wheelabrator's Industry Managers, Regional Managers, Regional Engineers, and Proposal Engineers met under the direction of L. W. Kohlmeyer, Vice President-Sales in May.



Balcrank Wins Top Honors — Rod Johnson, Sales Manager-Balcrank, examines the trophy Balcrank received for their display at the Southern Auto Show.





The substantial expansion of Wheelabrator operations in Canada over the last 10 years was the topic of recent discussions between personnel from the Mishawaka and Canadian offices. Pictured are Wheelabrator Corporation of Canada's Vice President-Finance, W. G. Wilkinson, R. A. Campbell, President, and G. A. Dick, who was recently appointed to the position of Vice President and General Manager of Wheelabrator Corporation of Canada.



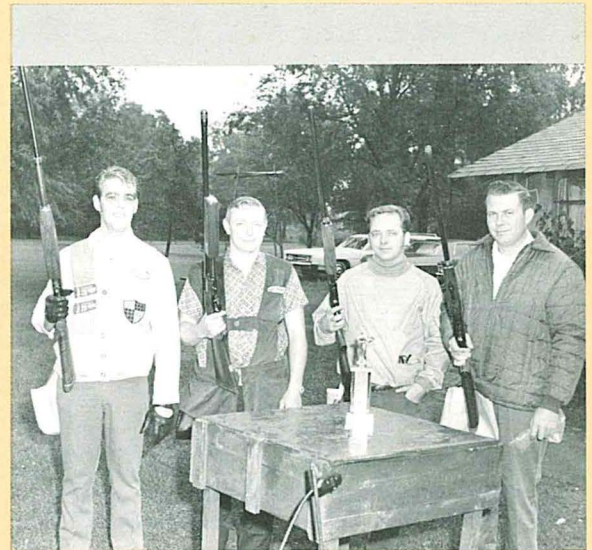
Vicente Maldonado, Sales and Service Engineer at Wheelabrator de Mexico and Ernie Kolesiak, Export Department, examine the details of a current order during Mr. Maldonado's recent visit.



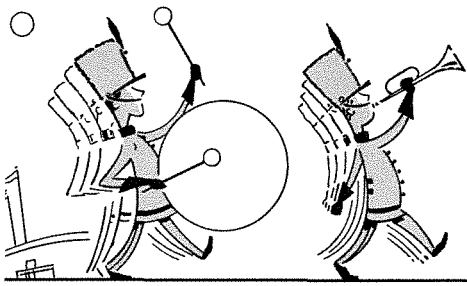
J. Sumant Patel, President and Managing Director of Indabrador, Wheelabrator's joint venture operation in Bombay, India, confers with James L. Hesburgh Vice President-International Operations during his recent visit.



Balcrank distributors, customers, and salesmen attended a Drilling Seminar conducted by Ray Donovan, Sales Manager, Jet Pulser (seated at center).



First in the Athletic Association Trap League this year were John Messer, Don Grzeskowiak, Jerry Sherk, and Skip Keiser. In competition against Dodge, Wheelabrator Trap Shooters lost by only one bird, 397 to 398.



# PASSING PARADE

It is with regret that PARADE reports the death of **Frank Pedrotty** who was well-known to many at Wheelabrator. Frank began his Wheelabrator career as the first draftsman hired when Wheelabrator came to Mishawaka in 1926. In 1942 he moved from the Engineering Department to Sales and in that year he opened our first Philadelphia office with David Logan, a Sales Engineer from our New York office. Active in the field sales organization until 1950, Frank then returned to Mishawaka as a Demonstration Engineer, coordinating and scheduling customer demonstrations until his retirement in 1964. He is survived by his wife, Elizabeth, three sons and one daughter.

The entire department joins in wishing **Candi** and **Jerry Weldy** much happiness after their recent marriage June 19th — as well as a fond “goodby” — they moved to Fort Wayne where Jerry will be working . . . Sincerest regrets to **John Harrington** on the death of his mother . . . **Glenn Fulmer's** son, **Dick**, had the good grace of running into the back end of a county sheriff. There were no tickets issued by the sheriff or the policeman on the scene because of slippery pavement until a “rookie” state trooper arrived and to the dismay of young Mr. Fulmer exercised his new privilege and gave Dick a ticket for following too close . . . **Bob Leliaert** spent a week's vacation in Washington, D.C. and New York . . . **Ray Steele's** brother and his family spent a week with him in July . . . **Betty Leyes** just returned from a four-week vacation visiting her daughter and son-in-law in Newfoundland where Ann's husband is teaching . . . Condolences to **Ralph Sanford** on the “death” of his little green Volkswagen. He is now the proud owner of a new Toyota.

Nancy DeLaurelle  
Industrial Relations

**Elmer Livingston** entertained friends from Kentucky . . . **Don Ritter** and his wife, Evelyn, celebrated their 14th wedding anniversary.

R. Coleman

**Dave** and **Fay Hes** had an enjoyable visit with relatives in Pennsylvania . . . **Floyd** and **Julie Deahl** can testify to Michigan's great fishing, having taken up fly rods and rabbits' feet during their vacation . . . **Mary Lou Rethlake's** daughter, Terri, won a Daughters of Isabella scholarship to Marian High School . . . During this reporter's vacation it was a toss-up as to whether I was breaking in my new Tennessee Walking Horse, or vice-versa. Ouch!

Marsha Honold, Sales

Three men, **Ray Gervais**, **Larry Arndt** and **Paul Hillebrand** have completed a course in Blueprint Reading at I.V. Tech . . . **Muncy Harris** is back on the job after a

couple weeks off for surgery . . . An outdoor potluck and swim party was held at John Schaefer's farm in Michigan for all R & D Personnel and their families — there was a large turnout with everyone having a good time . . . This reporter is now on a vacation spending one week at the National Campvention in the Michigan Irish Hills followed by two weeks of fishing in Minnesota.

P. Hillebrand, R & D

**Bob Rohr** and his wife attended their son's graduation from the University of Denver. Mike majored in finance — hotel and restaurant management and plans to manage a new restaurant in East Lansing, Michigan this fall . . . **Bob Watkin** and his wife recently welcomed their second daughter to their household . . . **Don Schrader** and his wife spent a week of their vacation driving up into Canada above Lake Superior. They found it is still pretty cold up there in June . . . **Betty Strantz** has left our department to await the birth of her first baby . . . **Leo Winiazar's** son, Mark, a 1970 M.H.S. graduate and Wheelabrator scholarship winner, is spending six weeks in Poland this summer visiting relatives and friends . . . **Dottie Whitmer** spent her vacation touring the Northwest and Canada with her family.

Betty Honold, Engineering

A belated congratulation goes to Mr. and Mrs. **Bob Edgin** and Mr. and Mrs. **Clyde Melton** who are both proud parents of baby boys . . . **James Austin** was recently married to the former Miss Sharon Lesniewicz. Our best wishes go out to them, and we hope they have many happy years together . . . We hope for a quick recovery for **Dean Austin** — Hope to see you back at work soon! . . . Vacation trips include Mr. and Mrs. **John Peterson** who flew to California and spent two weeks sightseeing with their daughter. **Archie Davis** and family vacationed at Niagara Falls in Canada and **Denny Williams** and family traveled through the deep South sightseeing. Last, but not least, **Casey Wegnerowski** missed work so much on his vacation he swept and washed the

floors every day at home. Now that's devotion!

David Lange  
1st Shift, Steel Shop

**James Strahan** (C-23 radial drill oper.) 12 year veteran at Wheelabrator, spends his off hours fishing from his cabin at Dewart Lake. His son, **Willy Strahan**, (C-6 burner) moved into his new home on Leer St., South Bend. Willy spends much time as an Athletic Board Member and Chief of 2nd Shift Volunteer Plant Protection . . . **David Lloyd** (sheet metal) was recently married. Congratulations to Dave and Stephanie . . . **Cas Deka** (sweeper) spent his recent vacation at home with his son home on furlough from U. S. Air Force . . . **Ted Banacka** (layout) traveled to Norfolk, Va. to welcome home his son, who serves aboard the U.S.S. Forrestal . . . **John Ekamp** (layout) also traveled to “Ole Virginie” to visit his daughter. John says lot of woods . . . **Delbert Zellers** (layout) enjoyed a trip thru Canada, Washington, Oregon, Idaho, Utah and Colorado. His best time was spent at Bellingham, Wash. with his three grandchildren. Del said his grandchildren enjoyed their first “grits” . . . **Kenny Reidenbach** (C-9 burner) spent his vacation fishing in Northern Indiana. Then he traveled on to Ohio and Detroit . . . **Glen Marker's** daughter just left for a 3-week vacation in Central Europe . . . **Ralph King**, son of **Charles** (C-12 layout) recently was awarded a trip to 4-H Round-Up at Purdue for outstanding 4-H achievement . . . Condolences to **Wilbur Sawdon** (C-6 burner). He recently lost his cat via a heart attack . . . **Russ Folk** is winning in his speciality, motorcycle riding . . . June was the month chosen by **Ed Petree's** (C-7 burner) daughter's wedding . . . Congratulations to Mr. and Mrs. **Roger Buwa** . . . Good luck to **H. Rehmel**, (welder's helper). “Hack” is going for eye surgery . . . “**Phil**” **Anastasio** (welder) is slated for a European trip to see his father . . . **LeRoy Bowers** (layout) spent his Iowa vacation building for his wife's grandparents . . . **George Haines** (C-45 shear) and **Wm. Turpin, Sr.** (layout) welcomed a boy and girl respectively into their family. Congratulations to the proud parents . . . We were glad to see **A. Squibb** back following heart problems. We wish him continued good health . . . **Robert Elliott** spent his time of vacation with his son, Brian. Bob was formerly a pilot and his son is following in his footsteps. He is a helicopter pilot now in Viet Nam . . . **John Forizs** (layout) spent his vacation painting at home and fishing at Diamond Lake . . . The **King** family recently traveled to eastern Florida via Oak Ridge and the Smokies. They took in “Grand Ole Opry” on the way home . . . **Garland Freck's** (fork lift operator) wife just completed a year as PTA treasurer at LaPaz School.

C. W. King  
2nd Shift, Steel Shop

Financial: **Wayne and Jane Clements** went to Detroit for a week. Jane's sister was getting married . . . **Ed Sullivan** took his annual trip to God's Country (Maine) . . . Credit:

**Linda Troup** spent a week in Oklahoma. She was visiting her brother and sister-in-law at Fort Sill . . . **Bob Wyckoff** and his family are spending a week in South Carolina fishing and swimming . . . **Ruth Ann Amacher** and her husband are spending a week in Pennsylvania and then spending another week moving into their new home . . . Accounting: **Kaye Brown** and her husband spent several days visiting Spring Mill State Park and Mammoth Cave National Park . . . **Tony Kruszewski** and family went to Cape Cod for the Fourth of July weekend . . . **Mary Schroeder** spent the Fourth of July weekend camping in the Michigan Upper Peninsula . . . **Marie Lehman's** daughter and family stayed with her for a week. They were in town to attend a high school reunion . . . Billing: **Eva Shelton** left July 17 to get married. Eva and her husband are moving to Kansas where he is stationed . . . Data Processing: **Sharon Nagy** quit work to stay home and take care of her new baby. Sharon and Pat adopted a baby girl, Lori Lynn . . . Cost: **Joe Gladura** has a new baby — Heidi Rene was born June 15 weighing 5 lbs., 14 ozs. . . **Vivian Canell** got engaged in June. She and Denny Wetmore plan a January 23rd wedding . . . **Del Biesbrouck's** daughter and family were here visiting from Georgia . . . **Sue Verslype** and this reporter are camping our way West for two weeks.

Elaine Baldini, Cost

Congratulations to **Earl and Virginia Witt** on their 25th Wedding Anniversary June 23rd . . . **Paul Crabtree** took two week's vacation in June, visiting friends and relations in home town of Sterns, Ky. . . **Tony Catanzarite** and wife are spending a week's vacation at Niagara Falls . . . **Wilmer Rigdon**, spending a week's vacation, visiting friends and relations in Ky. . . **Al Wiggins**, spending part of his vacation touring the south in his camper . . . **Jim Rigdon** returns from a week's vacation in Ky. visiting friends and relations.

Louis Cookie, Jr.  
Balcrank Assembly

**Jean Runyon** of Order Entry was married June 20th to Jim Lubelski . . . **Lillian Cook** and **Marilyn Gildner** both had successful garage sales . . . **Armando Nicolini** spent a restful week's vacation relaxing around home and going to the lake. . . Happy Birthday June 29 to **Carolyn Clayton** of Order Entry . . . Best Wishes to **Mary Catherine Stebner** on recent surgery.

Julie Craven, Export

Speedy recovery is wished to **E. Stasiak** and **R. Stoddard**, both out of work due to injuries . . . Wedding bells were ringing for J. Baird and **D. Caparell** . . . **C. Kelly** demonstrated his new self-propelled power mower by running over his hose and cutting it all up. "Sharp, very sharp," said Kelly . . . **F. Zappia** and family went out west for their vacation, while the **D. Urbanski** family went

to the Smoky Mts. . . . **D. Slocum** and his family toured the deep, hot south . . . **J. Jenczewski** was in Wisconsin and the fishing was very good, said Joe . . . Wedding Anniversaries: Mr. and Mrs. **McFarland**, 35 yrs. — Mr. and Mrs. **Knisley**, 26 yrs. — Mr. and Mrs. **Soule**, 23 yrs. — Mr. and Mrs. **Ed Voorde**, 11 yrs. . . . **R. Teeter** is at Camp McCoy, Wisc. for two weeks of Army Reserve training . . . Congratulations to Mr. and Mrs. **D. Freel**, whose son Kevin and Linda Huston were married on June 6, 1970 at Yale, Michigan.

L. M. Ganus, Foundry

**Kenny Mumby** and family spent their vacation fishing . . . Congratulations to **Clark** and **Beatrice Bargo** on the marriage of their daughter . . . **Bill** and **Irma Shultz** spent their vacation touring the east coast. While there they toured a nuclear submarine . . . Famous words, "I haven't been skunked in euchre on my deal since 1922". What about June 18, 1970, **Bill Farrell**? . . . **Jack Bell** has returned to work after a 4-month illness . . . Happy Anniversary to **Mike** and **Carol Raab**, one year; **Hacker** and **Elvora Combs**, 13 years; **Walt, Sr.** and **Elizabeth Lentine**, 30 years; **Dick** and **Arlene Myers**, 21 years; **George** and **Jane Kass**, 24 years; **Pat** and **Ruby Trimboli**, seven years.

Roger Coleman, 1511

Congratulations to **Ralph Miner** who became the proud grandfather of a grandson, Cory Christopher . . . **Vicki Gamble** is on vacation where the men are . . . Good luck to **Mike Petkovich** and **Ralph Miner** on their new positions in the field . . . **Lorrie Pfender's** husband, Craig, is going on vacation in Canada . . . **Gerri Lukens** and her husband went on their second honeymoon to Niagara Falls!

Sue Meixel, Lorco

**Pat Stoekinger** is back on the switchboard with us after being out for surgery. Welcome back, Pat . . . And a big welcome to **Martha Heston** who has joined us in the file room. Also, Martha and her husband have just celebrated their 31st wedding anniversary . . . **Nancy Klopfenstein** is planning to go to the State Fair for a few days and have some fun . . . Good luck to **Dave Tydgate** who is going to be married August 15.

Carole Kalil, Office Services

Happy retirement to **Art Fuller** who retired on June 30 after 28 years at Wheelabrator. Art and his wife moved into a new home in Sun City, Arizona, but they plan to return from time to time to visit their daughter and friends . . . **Tony Peters** spent a relaxing vacation playing golf and browsing for antiques with his wife . . . Chuck Schalliol, **Bob Schalliol's** son, recently joined the Air Force Reserves. He is now stationed at the Lackland Air Force Base in Texas. After basic training he will go to the Grissom A.F. Base in Peru, Indiana . . . **Carter Dreves** spent a few days of his vacation cutting bricks in half to fit the patio the

Dreves are building. Why not build the patio to fit the bricks, Carter? . . . **Mary LeMon** was pleasantly surprised recently with a visit from her sister and little niece from Phoenix.

Karen Myers, Adv.-Marketing

**Rod Abbott** and his wife flew to North Carolina for a week's vacation with his parents . . . Congratulations to **Pat Nagy** and his wife who just adopted a baby girl . . . **Dick Mecklenburg** and his family visited former neighbors who are now living in Alabama during their vacation.

Betty Honold, Engineering

Congratulations to **Helen Swartz** on her recent engagement to John Relicke . . . **Doris Grindeland** and her husband spent a week in North Dakota visiting her family . . . We'd like to welcome **Eva Copp** back after her recent surgery . . . We'll be sorry to see **Diane Claeys** leave this fall, but wish her luck on her return to Ball State . . . **Dave Molnar** and his family spent the 4th of July week-end camping . . . Congratulations to **Larry Bickel** and his wife on their recent anniversary . . . We'd like to welcome **Cindy Cook** who will be working with us this summer.

Kathie Hes, Material

**Joe Arata** went wishing for a week but failed to catch any fish . . . **Mary Lou Hixenbaugh** paddled a canoe for 28 miles and ended up tipping it over twice . . . **Harry Hixenbaugh** went to the All Star game in Cincinnati . . . **Lorraine Yocum** spent a week with her daughter and son-in-law. Of course they brought their new baby for Grandma to watch . . . **Janice Mervilde** spent a week camping in Michigan while her new 1970 Duster sat at home collecting dust . . . **Ed Szalewski** is on vacation joining the love bead generation . . . Welcome **Kathy Rallo** to APC Engineering . . . **Mary Cutrone** is leaving Sales as she and her family are moving to Illinois . . . **Jack Beebe** is the proud father of a baby girl.

Mary Lou Hixenbaugh  
APC Engineering

**Kenny Davidhizar** and wife Barbara are spending their vacation at Syracuse Lake, Syracuse, Ind. . . . **Garrett Mullins** has just completed his civic duty by serving on the jury for the month of June . . . **Ray Wolf's** son, Jonathan, is entering Indiana University this fall . . . **Emile DeVreese's** daughter Tanya will enter St. Joseph School of Nursing, Ft. Wayne, Ind.

Emile DeVreese, Demonstration

**Kathy Dempsey** had a great vacation in Nassau . . . **Art Webber** made a trip to Mammoth Cave in his trusty '55 Dodge . . . **Bob Lightner** spent his vacation fishing in Michigan . . . **Bob Lightner's** daughter, Kathy, was married to Ed Clifton on June 27. Our congratulations to the happy couple . . . Our sincere sympathy to **Larry Vogt**, whose mother passed away and **Ron Johnson**, whose father passed away.

Lucy Brunson, Balcrank

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# SCORING With Our Softball Teams

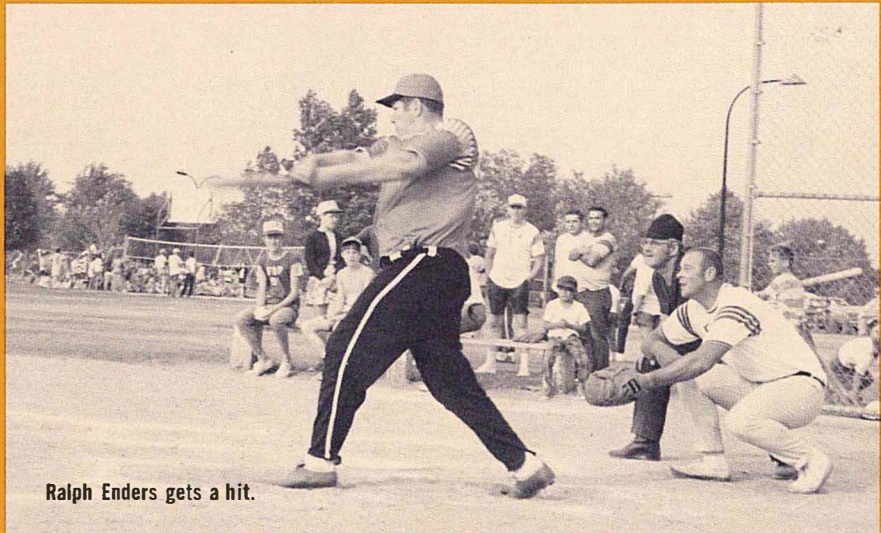
**WHEELABRATOR'S ATHLETIC ASSOCIATION** has been fielding softball teams for years. The earliest pictorial record of a W.A.A. team PARADE could locate was of the team pictured below, who carried off a winning season back in 1941. In all probability, there were teams before that time, too (records show a championship team in 1936), and our 1970 "fast" and "slow" pitch clubs continue to carry on their tradition — and Wheelabrator's reputation on the ball diamond.

This season's "fast pitch" team is managed by Fred Isza, and its members include Randy DeCraene, Randy Schayler, Harley Shafer, Jim Turza, Ray Browning, Jerry Davis, Jerry Christy, Bill Turpin, Glen Martin, Vic Singleton, Oakley Campbell, and George Smith.

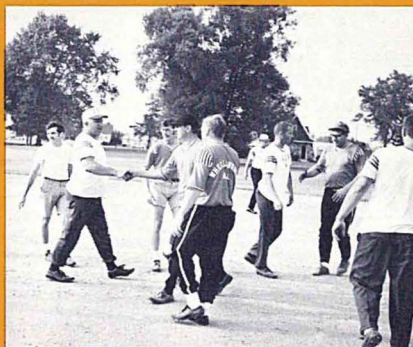
The "slow pitch" group, headed by Harold Mayes, consists of pitcher Chuck Ebright, catcher Ralph Enders, 1st baseman, Kenneth Kline, 2nd baseman, Don Waumans, 3rd baseman Bill Roe, right fielder Dick



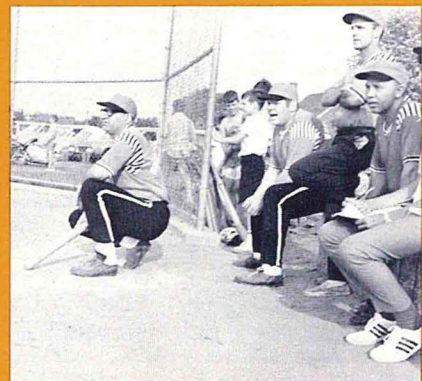
**WHO DO YOU KNOW?** PARADE could identify quite a few of the members of Wheelabrator's championship softball team of 1941. In the front row are Don Karnes, Dick Trippel, Bob Guidi, Omer Boembeke and Ward Correll. Row two — Harold Groh, Bob Powell, Harry Hixenbaugh, Harold Housand, Max Whittaker, Frank Miles (deceased) and George Linn. Standing — Ray VandeWalle, Doug Morin, Andy Federnok, Tom Wedsworth, John VanBelleghem, Joe Kuzmanovich and Robert Gibbons.



Ralph Enders gets a hit.



Wheelabrator and the Fraternal Order of Police team shake hands after a game. We won, 5 to 4.



"Hit it!" Team members shout encouragement.

Love, center fielder Tom Van Dewalle, short center Gene Sobiech and left fielder Jerry Griffon. Also playing on the slow pitch team are Jack Coleman, Dick McConahay and Bruce McConahay.

The Athletic Association also sponsors a special team for second shift personnel (unable to make the evening games) on weekends.

"Fast" and "slow" pitch games vary in a number of basic ways. "Fast pitch", for example, permits base stealing and a variety of fast-ball pitching styles, while "slow pitch" regulations require the larger ball (14") to be lobbed in a 3' arc over the plate. This slower style makes for a considerable number of hits during the slow pitch game, plus plenty of action.

The teams face competition at 16 regulation games with neighboring

business and social clubs each season, and in the Fall, the annual "Old Timer's" game draws a large crowd. Times and locations of games are announced every Sunday in the newspaper.

Another hit — The Wheelabrator A.A. softball team holds its lead against the Fraternal Order of Police in a game at Rose Park.

