

the WING FOOT CLAN

Goodyear Atomic Corporation

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COMPUTERIZED MACHINING

“The Baron” enables machinists to perform computerized cutting

Computerization is spreading rapidly throughout the Portsmouth Area Uranium Enrichment Plant. One of the more unique applications in recent months is in the X-720 Building Machine Shop (D-721), where machinists are using a new LeBlond Makino Baron 40 Computerized Numerical Control (CNC) machine tool turning system to make various metal parts and equipment.

The new “chucker” system became operational in August, and is being used to make parts from raw steel bar stock for a variety of plant process and equipment uses.

The tooling system cuts contours, bores and other configurations into the metal stock based upon computer programmed specifications. The computer control is a General Electric Mark Century 1050HL system with a 30K memory.

Cutting specifications are programmed into the computer and then stored on tape. Morris F. “Mo” Burkitt, material coordinator, Maintenance Engineering (D-741), noted that precise cutting can be repeated by calling up the specifications on the tape. Machinists also can activate specifications directly at the control for special cutting.

The operator control station also contains pushbuttons and selector switches which provide fingertip control for all lathe functions including the headstock, spindle, chuck, turret, tailstock, coolant pump and chip conveyor. The control station pivots for easy access and can be moved along the bed to the most convenient location.

Machine Shop Foreman Dave Kemper said the new device cuts machining time by almost 75 percent. “There’s a little more time involved at the onset for programming, but once specifications are stored, they can be used time and time again,” Kemper said.

The tooling system lathe can accommodate raw steel stock up to 72 inches in length. The machine has a 12-inch

hydraulic chuck. Its multi-tool turret has 18 tooling locations (stations) for positioning the various cutting tools which might be required for cutting the specific inside or outside dimensions required for making a special part.

The cutting oil coolant is distributed directly through the turret. An internal conveyor discharges cutting chips to a large drum at one end of the system.

The complete unitization of all cutting components of the system allows a clean, unobstructed work area around the machine, Burkitt said. “Because of its compact design, the Baron requires a minimum amount of floor space,” he noted. “The area around the machine can be kept clean and unobstructed.”

Kemper praised the extremely high degree of machining accuracy assured by a one-piece cast iron bed structure which provides extreme rigidity and vibration-dampening qualities.

All tool stations are machined directly into the face of the turret for rigidity, accuracy and quick set-up.

The computer incorporates all CNC and machine controls into a single unit for operator convenience. Troubleshooting devices include an alert/status diagnostic panel and other diagnostic systems to minimize costly downtime and alert the operator to potential problems before they become serious.

“It’s a very unique device which offers the most advanced in machine tool technology,” Burkitt and Kemper agreed.

“We look forward to using it for a wide variety of tooling applications here at the Portsmouth plant.”



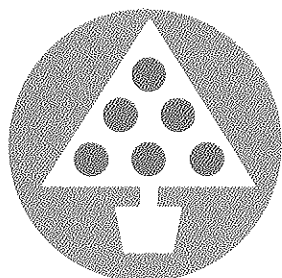
Computer control enables precision in machine tool cutting operations

Joseph J. Schneider II, machinist AA, prepares the new LeBlond Baron 40 computerized machine tool turning system for use in producing a required part. The system became operational in August and utilizes a 30K computer memory control for programming of part specifications. Finished parts are on the table in the foreground.

“Smith” identifies 39 people Total of 704 GAT employees share only 84 family names

What are the more prevalent surnames of the employees of Goodyear Atomic Corporation? Following is a list of names and the number of employees who share them:

Smith .....39	Clark .....9	Hall .....6	Evans .....5
Johnson .....27	Harris .....9	Neal .....6	Ferguson .....5
Brown .....24	Boggs .....8	Newman .....6	Foul .....5
Williams .....21	Cooper .....8	Ragland .....6	Hairston .....5
Davis .....20	Hamilton .....8	Robinson .....6	Hopper .....5
Miller .....20	Nelson .....8	Shepherd .....6	Horner .....5
Moore .....18	Valentine .....8	Spradlin .....6	Howard .....5
Adams .....17	Allen .....7	Stone .....6	Hughes .....5
Thompson .....14	Dixon .....7	Walters .....6	James .....5
Jones .....13	Horsley .....7	Webb .....6	Knauff .....5
Thomas .....13	Jackson .....7	Bailey .....5	McCoy .....5
Anderson .....11	Jenkins .....7	Barker .....5	Morris .....5
Conley .....11	Martin .....7	Bauer .....5	Mullens .....5
Crabtree .....11	Murray .....7	Carter .....5	Ratliff .....5
Jordan .....11	Parker .....7	Childers .....5	Remy .....5
Lewis .....11	Ramey .....7	Clausing .....5	Simpson .....5
White .....11	Reed .....7	Conkell .....5	Skaggs .....5
Mullins .....10	Tackett .....7	Cook .....5	Spriggs .....5
Scott .....10	Coriell .....6	Creech .....5	Tanner .....5
Taylor .....10	Foster .....6	Detillion .....5	Wagner .....5
Adkins .....9	Greene .....6	Duncan .....5	Young .....5

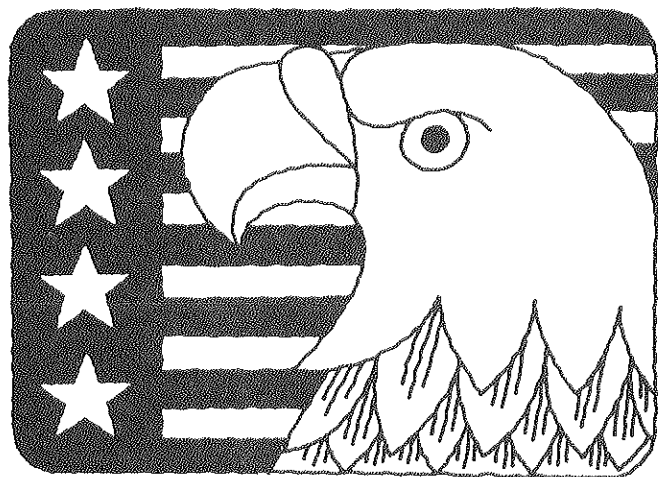


DECEMBER



Recycle/Assembly Building being occupied

Goodyear Atomic GCEP management and staff employees in the Recycle/Assembly Facilities Division were to begin moving into the R&A Building in mid-December following the placement of furniture and materials. Division Manager Gary Cormany and all R&A personnel at Portsmouth were expected to be working from building offices by the beginning of 1983.



GAT HOLIDAYS

Christmas	Thursday, Dec. 23, 1982
Christmas Holiday	Friday, Dec. 24, 1982
New Year's Holiday	Friday, Dec. 31, 1982
Good Friday	Friday, April 1, 1983
Memorial Day	Monday, May 30, 1983
Independence Day	Monday, July 4, 1983
Independence Day Holiday	Tuesday, July 5, 1983
Labor Day	Monday, Sept. 5, 1983
Columbus Day	Monday, Oct. 10, 1983
Thanksgiving	Thursday, Nov. 24, 1983
Thanksgiving Holiday	Friday, Nov. 25, 1983
Christmas Holiday	Friday, Dec. 23, 1983
Christmas Holiday	Monday, Dec. 26, 1983
New Year's Holiday	Monday, Jan. 2, 1984

Directors needed

The membership of the Atomic Employees Credit Union will be electing three persons to the Board of Directors and one person to the Credit Committee at the annual meeting in February 1983.

If you are interested in being nominated, contact any of the following nominating committee members at the listed extensions: Sarah Glenn (2307), Buck Miller (4551), John Schultz (6486) or Ken Vulgamore (2174).

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GOODYEAR ATOMIC CORPORATION
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VISIT THE BLOODMOBILE!

More than 95 percent of all people who reach age 72 will need some type of blood byproducts, blood components or blood transfusion during their lives. Unfortunately, only three percent of the population donates blood.

More volunteers are desperately needed. As such, the employees of Goodyear Atomic Corporation are particularly important to the work of the American Red Cross in helping to supply the needs of patients throughout the region.

Tri-State Region, American Red Cross Blood Services, operating out of Huntington, encompasses 53 counties in Ohio, Kentucky, West Virginia and Virginia. Its goals are to provide a continuing supply of whole blood and its components to meet the needs of accident and disease victims and surgery patients, to provide blood for research and to conduct research leading to new or improved blood products and processing methods.

Through its Bloodmobile visits to the Portsmouth Area Uranium Enrichment Plant since 1953, the Red Cross has collected 14,987 blood units from personnel of Goodyear Atomic, Ohio Valley Electric Corporation, the U. S. Department of Energy and construction contractors.

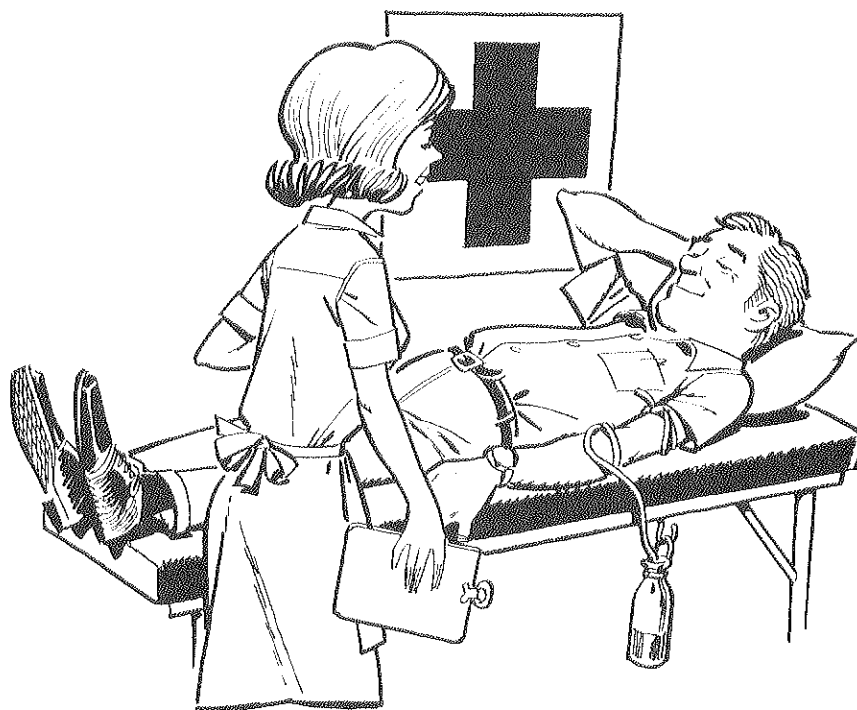
The next visit of the Bloodmobile is scheduled for Wednesday, Thursday and Friday, January 5-7, 1983. Personalized registration forms will be mailed to each employee. The location will again be the plant cafeteria.

A reasonable collection goal for this visit is 500 units. The highest totals to date are 466 in July 1980 and 460 in January 1982. We can achieve the goal of 500 units through the continued support of regular donors, the return of first-time donors from past Bloodmobile visits and the participation of a significant number of new donors during the upcoming Bloodmobile.

Who benefits from your blood donation?

- (1) The patient who receives your blood or one of its components.
- (2) Your community health care systems, which have available a vital human medicine.
- (3) Your community well-being, because you care enough to share your blood with anyone, friend or stranger, who may need it.
- (4) You, the donor, in the satisfaction of giving. Your donation, which brings you no personal benefit beyond the satisfaction of helping others in need, is part of an American success story: a blood service system based on more than 10 million blood donations each year by volunteer donors throughout the United States.

We look forward to seeing you at the Bloodmobile!



Recreation Corner

*Company bowling championship tournaments now are being scheduled for January and February. Entry forms soon will be available, according to Gary Doerr, tournament coordinator. Those with questions can contact Doerr at ext. 2989. Women's and men's Team Events are scheduled for January 15 and 22 respectively at Sunset Lanes in Portsmouth. Women's and men's Singles and Doubles tournaments are scheduled respectively for February 12 and 19 at Shawnee Lanes in Chillicothe.

*The annual GAT Employee Recognition Banquet has been scheduled for January 29 at the American Legion Hall in Waverly. The keynote speaker is yet to be named. The annual banquet honors GAT sports champions, club leaders and committee volunteers.

Employee Activities Committee

Do you have a question about employee activities? If so, contact your divisional representative on the Employee Activities Committee (EAC). Names and extensions are listed below. If you are unable to reach your EAC Division Representative, call Jim Hamilton, EAC Coordinator, on ext. 2158. Current officers are Doug Fogel, president; Frank Scarfpin, vice president; Debbie Young, secretary; and Terry Nickel, treasurer. GCEP representative is Greg Barch.

	Division	Dept.	Ext.	Bldg.	Mail Stop
Teresa Osborne	.....000/300/600S	621	2602	X-100	1131
Jim Cooper	.....300H	313	5861	X-104	4025
Charlene Simmons	..300S	378	2477	X-103	1215
Terry Nickell	.....400S	479	2657	X-100	1126
Cynthia Rice	.....410/412/452S	452	2925	X-100	1208
Dave Gearhart	.....400H	422	2297	X-746	3005
Doug Fogel	.....500S	516	2366	X-100N	5004
Greg Barch	.....500S	557	4740	X-1000	5010
Terry Conkel	.....700H	725	4388	X-700	3122
Rusty Cosby	.....700H	721	4524	X-720	3114
Frank Scarfpin	.....700H	714	4551	X-720	3117
Ken Johnson	.....700S	712	4526	X-720	3115
Susan Rumfield	.....800H	812	6320	X-330	4015
Bob Christman	.....800H	852	5942	X-103	4007
Debbie Young	.....800S	851	3011	X-300	4004

LeBlond Baron machining system now operational

The pendant mounted operator station for the Baron 40 computerized machine tool turning system includes diagnostic panels and controls which enable simple and precise manual movement of machine parts. The station can be moved along the bed of the machine tool system to the most convenient location.



Portsmouth "Y" discount possible

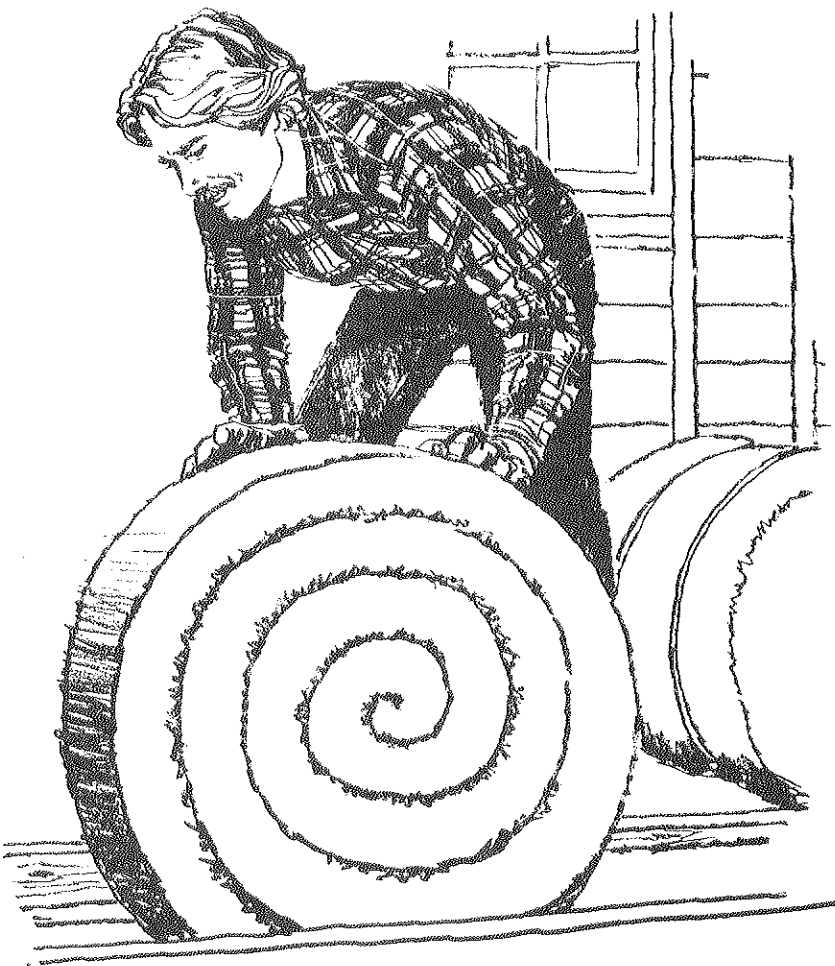
Plans are under way to arrange a special discount membership rate for GAT employees and their families with the Portsmouth YMCA. If enough interest is shown, GAT employees could receive up to 15 percent off the regular annual membership rate.

The Portsmouth YMCA recently added new exercise equipment and completely upgraded its women's and men's health center facilities.

The YMCA directors have extended an invitation to all prospective GAT members to come down for a free tour and "work out" in these new facilities. We hope to have interested employees signed up by Dec. 31, 1982. Contact Jim Hamilton, Employee Activities coordinator, at ext. 2158 for additional information and a complimentary pass good for one free visit to the Portsmouth YMCA.

Cost Reduction Honor Roll

R. E. Cormany	.....D/003	J. B. Merrill	.....D/712
T. H. Maggard	.....D/377	J. I. Newman	.....D/712
V. A. Williams	.....D/411	J. E. Beebe	.....D/714
W. D. Hartley	.....D/421	G. L. Sanders	.....D/720
L. A. Mossbarger	.....D/424	C. A. Secrest	.....D/720
D. L. Roberson	.....D/476	R. E. Poetker	.....D/722
H. E. Martin	.....D/512	D. E. Martin	.....D/731
M. A. Mentges	.....D/517	B. E. Post	.....D/741
C. D. Gross	.....D/560	M. N. Atwater	.....D/742
D. M. McDonagh	.....D/577	M. G. Driesbach	.....D/742
C. K. Stalnaker	.....D/590	B. J. Harris	.....D/742
S. R. Brigner	.....D/711	C. A. Rader	.....D/742
M. L. Neal	.....D/711	B. R. Pertuset	.....D/742
L. E. Compton	.....D/712	W. I. Shell	.....D/752
L. M. Edwards	.....D/712	L. C. Jackson	.....D/816
R. A. Isaac	.....D/712	D. L. Williams	.....D/822
K. B. Johnson	.....D/712		



Save energy at home this winter!

Winter's here and so are high heating bills. Aside from moving to the tropics, what can you do to hold the line on utility costs — without spending a lot of money? Here are some ideas.

You can start, naturally enough, with your thermostat. Lower it to 65 degrees — or a maximum of 68 degrees — during the day and 55 degrees at night. Since you can save two to three percent on your fuel costs for every degree you reduce the average temperature of your home, it may be worth it to bundle up.

If you have a forced air heating system, check the duct work for leaks. To do this, feel around the duct joints for escaping air when the fan is on. Relatively small leaks can be repaired simply by covering holes or cracks with duct tape. More stubborn problems may need caulking as well as taping. You could save as much as nine percent in heating fuel costs this way.

Be sure to close the damper when the fireplace isn't in use. In fact, it may be worth your while to install an asbestos gasket around the damper's base plate. On extremely cold days you're better off without a fire because most fireplaces actually draw heat out of a room.

Willing to spend a little money? Consider insulating exposed heating ducts. It might be worth the cost and effort. Before wrapping the ducts, tape all the joints.

Caulk around fireplace mantles, outside windows, storm windows, and window panes in doors, exhaust fan openings, basement windows and areas where the foundation meets the first floor.

Obviously you can't caulk around the sashes of double-hung windows — not if you want to open them. But you can buy foam rubber, cut it to size, and fill the gap with it. The nice thing about foam rubber is that it expands to fill the gap.

Don't have storm windows? Covering your windows outside with clear polyethylene isn't too attractive but the result is the same. The plastic doesn't insulate, but dead air space is created between it and the window and this acts as insulation.

If you find drafts around your outside windows, put up weather stripping. And don't forget to put weather stripping around the tracks of sliding glass doors. This will serve you well in the summer, too, since it will keep your air conditioner from working overtime to replace the cool air escaping through these gaps.

If you have room air conditioners, cover them with large plastic bags or sheets of plastic to keep out cold air. Better yet, take them out of the windows for the winter.

Oil furnaces should be serviced at least once a year. This could cut fuel consumption by 10 percent.

Take a look at the furnace filter once a month during the heating season. If it's clogged, replace it. If you have a permanent filter, clean it according to the manufacturer's directions.



CHARLES J. PILLIOD, JR.
Chairman of the Board



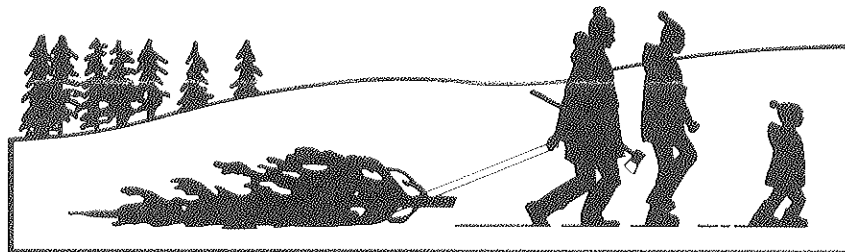
ROBERT E. MERCER
President

Season's Greetings



NATE HURT
General Manager

*Christmas is a special time.
It's a time of nostalgia for past holiday seasons and sharpened memories of
the joys and excitement they held.
It's a time of anticipation of what the new year will bring.
And it is a time when our problems diminish before our love for our families,
our friends and mankind.
Merry Christmas and Happy New Year to each of you and your families.*



F. VINCENT PRUS
Executive Vice President



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