

## Senator Lautenberg Visits PPPL Mideast Trip Spurs Interest in Fusion

A visit to PPPL by Senator Frank Lautenberg (D-NJ) on Thursday, September 6, was scheduled soon after his return from Saudi Arabia where, he said, he was vividly reminded of "how desperate the need for alternatives [energy sources] is."

He said while in the Mideast he gained an alarmingly realistic glimpse "of what it means to have a single person or country take hold [of the world's oil supply] and leave us captive." The potential for this sort of power could, if allowed to continue, Lautenberg suggested, necessitate the restructuring of mankind as we now know it.

As a member of two powerful senatorial committees — Appropriations and Environment and Public Works — Senator Lautenberg's interest in learning more about fusion power could be taken as a positive signal for PPPL and for the development of an energy source which requires

a stable, long-term government commitment.

The impact of fusion on areas such as economics, the environment, and international cooperation, were points made in

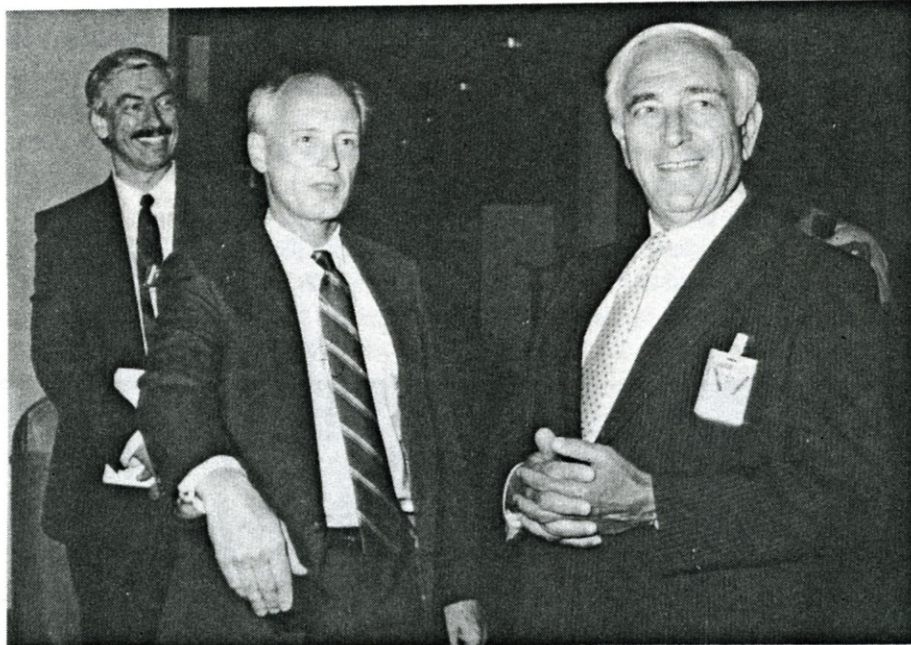
than 300 PPPL employees who came to hear Brolin's presentation and Senator Lautenberg's comments.

And comment, he did.

Initially there was tension in the auditorium, most likely due to the unexplained nature of the Senator's visit which had been arranged only a few days prior. But this was relieved early in the talk. In the midst of Brolin's explanation of fusion Senator Lautenberg noted that his realm of knowledge had just been exceeded. Brolin responded in a similar tone saying, "Suffice it to say, you heat it up to 100,000,000° C [the plasma mixture] and stir."

Senator Lautenberg apologized to the audience for asking basic questions about fusion, and said, "but you have to work with what you've got." He showed attentive interest in the subject by asking questions about the

*continued on page 2*



**Senator Frank Lautenberg (D-NJ) (right) visited PPPL on September 6. He was given an overview of fusion by Acting Director Tip Brolin (center) and a tour of the Lab by Dale Meade, TFTR Project Manager (left).**

Photo: John Peoples

Acting Director E.C. (Tip) Brolin's presentation which seemed to please the Senator who referred to himself as an environmentalist.

Also present at the briefing were more

# Let's Give!

*Come to PPPL's Red Cross Blood Drive • October 11 • 9:00 a.m. to 2:00 p.m. • In the firehouse • Call the dispensary, ext. 2272, to register*



**Lautenberg — continued from page 1**  
history of fusion's growth, its present and anticipated achievements, and the fiscal requirements which are an integral part of its potential success or failure.

Brolin offered a startlingly clear illustration of fusion's inexhaustible fuel supply. He said that the deuterium contained in two inches of water from Lake Erie is equivalent to more than one and a half times that of the world's known oil reserves. Senator Lautenberg was struck with this example. And after hearing the projected budgets that are believed necessary to make commercial fusion a reality, said, "It doesn't sound like a lot of money if the conclusion is as fulfilling as it may be." He prefaced this statement by saying, "Now, don't take this as a statement of promise, but rather an observation." He continued by saying that fusion is the type of research that deserves support only governments can give. Senator Lautenberg has historically been a strong supporter of fusion; in 1989 he was extremely helpful in boosting the FY90 fusion budget.

While addressing the audience he asked, tongue-in-cheek, if it was appropriate to refer to the Lab's researchers as

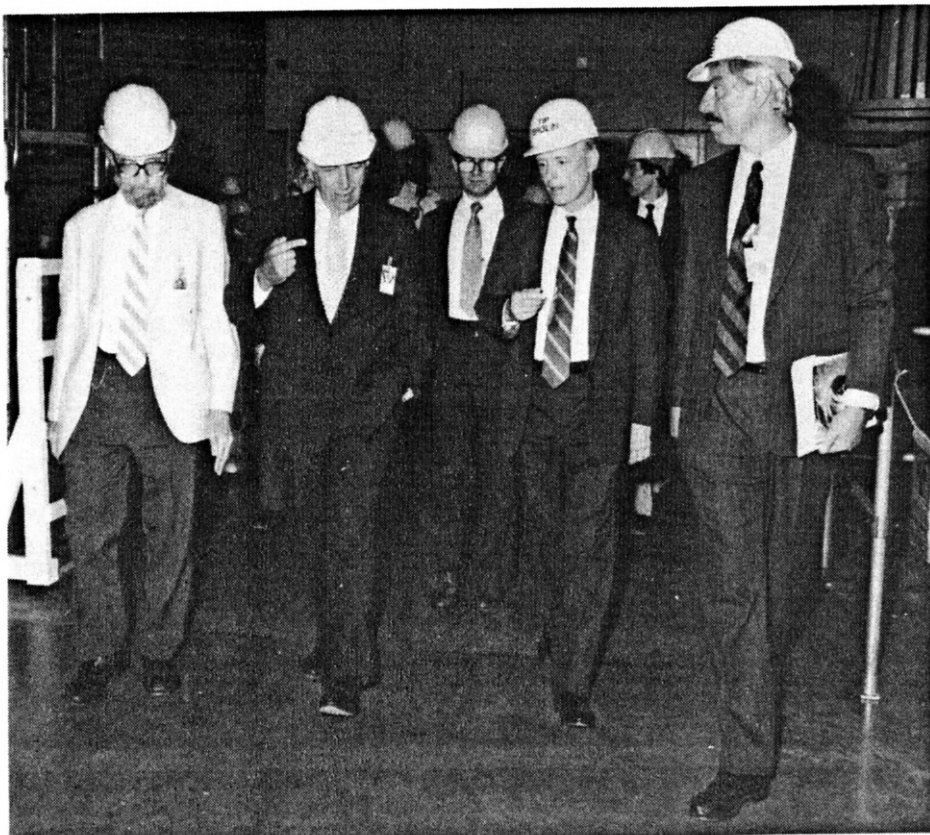
"eggheads," quickly adding, "I told you, beware the humor!" He said he admires people in the scientific community "because progress is measured in very small

***"It doesn't sound like a lot of money if the conclusion is as fulfilling as it may be."***

**— Senator Lautenberg**

increments," and scientists, he acknowledged, must be optimists and able to mark small steps forward. He compared scientific progress to his own experiences in government. "Going from business to government is a frustrating experience, but what isn't? The question is, is the goal worth working for?"

Before concluding, Senator Lautenberg paused and again apologized for not having a more extensive understanding of science. "While I can't claim the intellect of a scientist," he said, "I can claim the perseverance of a politician," which he likened to that of a researcher, and which is, itself, a crucial element of long-term programs such as fusion. — E. Webster



**Touring the Lab with Senator Frank Lautenberg — Harold Furth, Senator Lautenberg, Paul Rutherford, Tip Brolin, and Dale Meade.**

Photo: John Peoples

## ***Fill 'er Up ... Less Often***

*With the cost of fuel rising and the oil supply uncertain, Pat Zeedyk of Transportation Services, offers the following suggestions to all drivers.*

- Use the shuttle service whenever possible.
- Do not idle for more than 60 seconds. After one minute it takes less fuel to restart than it does to idle longer, and you can actually drive for one mile on the fuel it takes to sit still for a minute.
- Plan ahead and consolidate trips.
- Use your vehicle only when necessary. A short walk can be refreshing.

By remembering the conservation methods practiced during the last fuel shortage, and by using them now, we may be able to avoid the helpless feelings experienced by many drivers during the '70s.

***"Safety belts are like brains— they come as standard equipment, but they work only if you use them."***

—Pat Zeedyk  
(sent to HOTLINE  
by Alan Upperco)



## Symbol Shows Way

They seem to have mysteriously appeared — overnight — like magic. They're in the hallways, near doors and by elevators. You won't, however, find them at stairwells or next to all bathrooms.

What are they? You've probably guessed they're the blue and white, 4"x4" stickers, located just below eye level on many of the walls around PPPL, indicating wheelchair accessibility. At the Laboratory, this international symbol denotes the safe access routes for wheelchairs through many doorways and corridors.

According to Rich Pfeifer, Head of the Plant Maintenance and Engineering Department, Plant Maintenance personnel placed the stickers throughout the Lab as part of a project designed to make PPPL more accessible to the handicapped and to help bring the Laboratory into compliance with the Uniform Federal Accessibility Standards (UFAS).

But placement of these symbols is only one element of the project. Others include lowering some of the drinking fountains and installing larger, wheelchair-accessible stalls in bathrooms. The pedestrian bridge which will connect the New Engineering Wing with the LOB will also accommodate wheelchairs, thus making it easier for handicapped individuals to move between buildings.

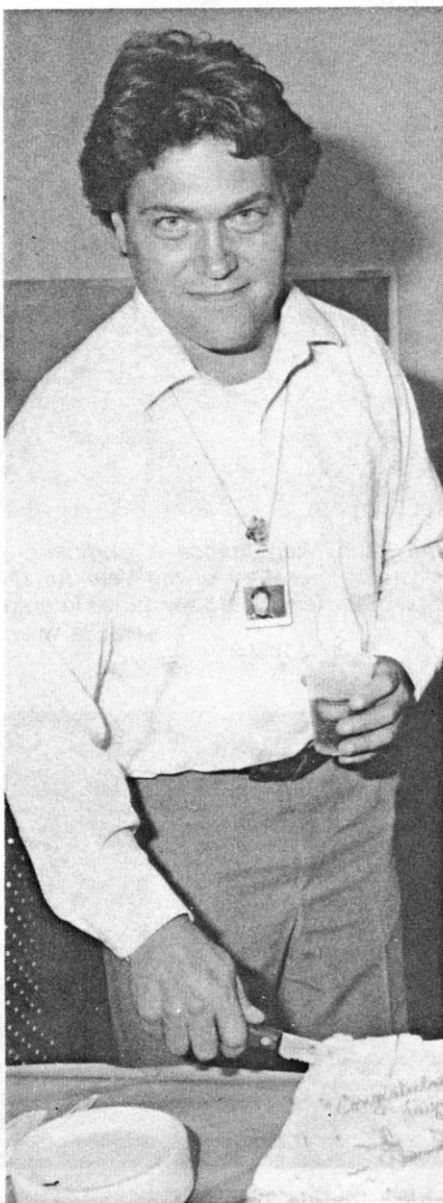
Many day-to-day tasks we take for granted, such as passing through a doorway, moving down a corridor, or getting a drink from a water fountain can be difficult and even impossible for people confined to wheelchairs. Now, with just a little forethought, and a few adjustments, these activities are becoming easier at PPPL.

— C. Phillips

## Reiersen Receives International Award

On September 27, Wayne T. Reiersen will be honored by the Fusion Power Associates at its annual meeting in Virginia for becoming the fifth recipient of its Excellence in Engineering Award. This award, according to the inscription which appears on the presentation plaque, is given "for very important contributions to fusion engineering and in recognition of impressive leadership qualities."

Reiersen, the CIT Systems Engineer Manager and a five-year employee of the Lab, said at a celebration held in his honor



Wayne Reiersen, 1990 winner of the Fusion Power Associates' Excellence in Engineering Award. Photo: John Peoples

on August 16, "I consider myself fortunate that I have a job I look forward to coming to every day and that I have the good fortune to work with the people I do."

The Fusion Power Associates is an industry-supported education and research foundation. It is international in scope, having members in Canada, Japan and France in addition to the United States.

The Excellence in Engineering Award began in 1987 to honor David J. Rose of the Massachusetts Institute of Technology. Stephen O. Dean, president of the Fusion Power Associates, said it is the only award of its kind intended for professionals in the early stages of their careers. It further distinguishes itself from other awards because "it gives equal weight to technical accomplishment and leadership," Dean said.

Individual nominations are made in a process that begins in January. John Schmidt was among those at the Lab who prepared the necessary papers and letters. He said of the decision to make the nomination, "With Wayne it was very easy."

Once nominated, Reiersen became one of eight candidates to be reviewed by an awards committee which consisted of Bill Stacey, of the Nuclear Engineering Department at Georgia Tech; Carl Henning, of Lawrence Livermore National Laboratory; and Steve Piet, of the Fusion Environmental and Safety Group at Idaho National Engineering Laboratory. Their recommendations were then voted on by the Associates' 18-member board of directors, and it was at this stage that Reiersen was officially selected.

Reiersen said that this accolade is especially meaningful because of the efforts required on the part of PPPL employees to present his name for nomination. "Their opinion of the work I do counts," he said.

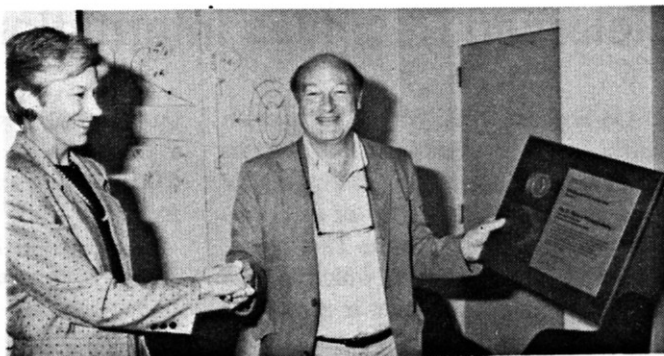
This year marks the second time a PPPL employee has won this honor. The 1988 award went to Michael Ulrickson.

— E. Webster

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# What's Happening at PPPL?



**Anne Davies, Office of Fusion Energy, presenting Bruce Montgomery, Tokamak Systems Manager at CIT, with the DOE Distinguished Associates Award.**

Photo: John Peoples

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**Edna Kalmus, of the Plant Maintenance & Engineering Department, is this year's Secretary of the Year for the Mercer County Chapter of Professional Secretaries International.**

Photo: E. Webster

8/13/90 #14



**1989 Melvin E. Gottlieb Tennis Tournament champs: H. Takahashi, men's runner-up; J. Bialek, men's winner; J. Roberts, women's winner; and M. Thompson, women's runner-up.**

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## NOTICES

### Oberman Symposium

A 1-1/2 day symposium/celebration, in honor of the retirement of Carl Oberman, will be held on October 7 and 8 at the Institute for Advanced Study in Princeton.

Speakers will address areas of Oberman's interest and work. The tentative list of speakers includes Ira Bernstein, John Dawson, Predhiman Kaw, John Krommes, Martin Kruskal, Russell Kulsrud, Tom O'Neil, Norman Rostoker, Roald Sagdeev, and Ernest Valeo.

For registration information, contact Gale Stevens at ext. 2440.

### Holt to Speak on Fusion

On Thursday, October 18, at 11:15 a.m., Assistant Director, Rush Holt, will be a featured speaker in Mercer County Community College's Distinguished Lecturer Series. His topic is, *After the Oil is Gone: Prospects for Fusion Energy*.

### Crab Feast

You're invited to an all-you-can-eat feast September 14, 5:00-8:00 p.m. at Prospect. Adults \$22.95; children under 10, \$11.95. Sponsored by the Prospect Association. For reservations call 258-3455.

### Free Woman's Exam

A Breast Self exam (BSE) teach-in will be offered free of charge by the American Cancer Society on Tuesday, September 18 from 6:30 to 9:00 p.m. at the Lawrenceville Branch of the Mercer County Library (Route 1 and Darrah Lane). To register, call Jane Rodney at (609) 394-5000.

### Tennis Tournament Sign-Ups

The 14th annual Melvin E. Gottlieb Tennis Tournament begins on September 22. Employees of PPPL and DOE and their spouses and children who are recreational players may register until noon on September 20. The registration fee is \$3 plus a can of new balls.

Spectators are welcome to visit the tournament which is being played at the Princeton University Pagoda Courts. Call Hiro Takahashi, ext. 2809, or Madge Midas, ext. 3100, for more information or to register.

## A Pat on the Back to . . .

One would think that working a minimum of eight hours a day, five days a week, would be enough responsibility and structure in anyone's life. But many among us would argue that their commitment to volunteerism is not a chore, but rather a pleasure they're happy to add to their busy lives.

The ways that people donate time to projects, causes and charitable efforts are as varied as the individuals themselves. Teaching adults to read, leading a Girl Scout or Cub Scout troop, being a foster parent or big brother/sister, faithfully donating blood, or even offering to paint a municipal building over the week-end, are all ways that people choose to give.

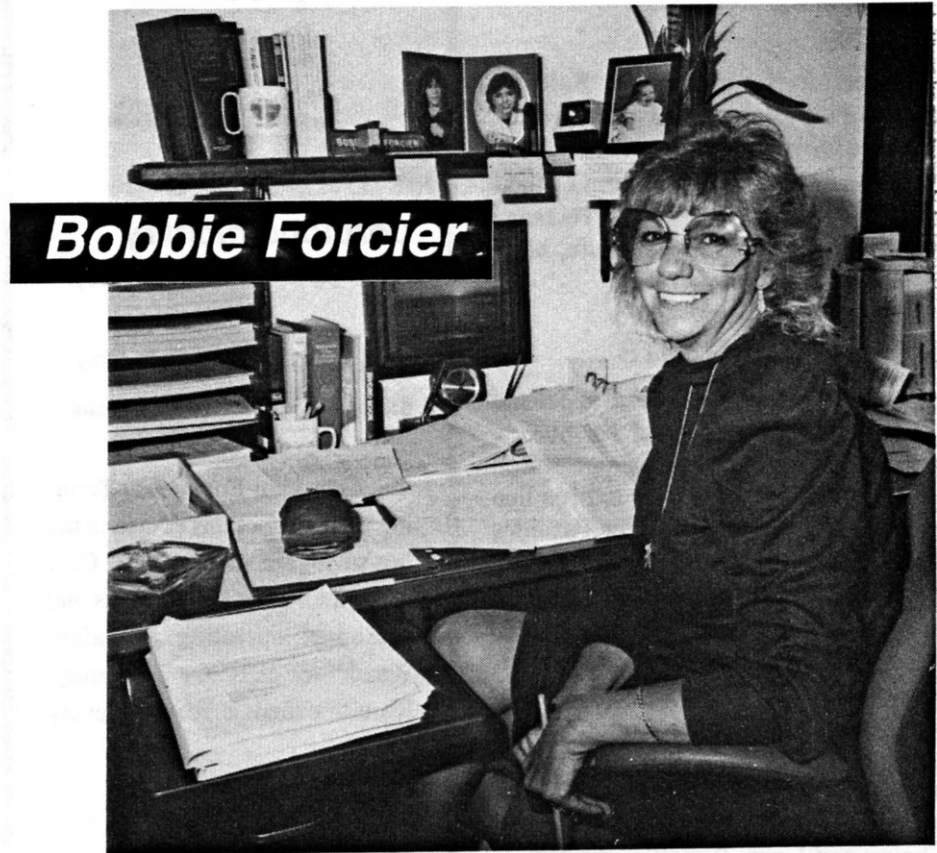
**HOTLINE** would like you to know about these activities. Contact us with news about your (or a fellow worker's) involvement in the community. Upcoming issues will feature PPPL employees who moonlight as volunteers.

We'd like to give these quiet heroes a pat on the back.

We begin our coverage with a woman who, as a result of supporting her local volunteer fire department for several years, has been elected Fire Commissioner in Jackson, New Jersey!

One brisk autumn night Bobbie Forcier, PPPL's Benefits Administrator, found herself in the company of nearly 600 community members out combing the woods for a misplaced three year old. Earlier in the day while the family was raking the lawn, the young boy had wandered away from the piles of leaves he'd been happily playing in. In response to the parents' appeal for help, volunteers from the surrounding towns searched until nearly 3:00 a.m. to find their young son. The next day he was spotted not far from his home — an ending that had not been predicted, but one that relieved the sleepy crew's worst fears.

Forcier said that the ordeal, once over, gave her a real sense of involvement, and stands as one of the most rewarding nights of service she's had as a volunteer with the Cassville Volunteer Fire Department in Jackson.



**Bobbie Forcier has been involved with the Cassville Volunteer Fire Department since 1984. Currently, in addition to her job at PPPL as Benefits Administrator, she is an unpaid Fire Commissioner in the district of Jackson, New Jersey.**

Photo: John Peoples

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"Once my children grew up," she said, "I wanted to do something in the community." So in 1984 she joined the Lady's Auxiliary and has been busily involved with its work ever since.

Over the years her projects have included overseeing the Ocean County Community Service Workers program which sends first-time offenders to the firehouse to perform free services; raising funds for uniforms; providing warm clothing and refreshments to firemen when responding to alarms; and coordinating the annual Easter Egg hunt, which is one of the ways that children of firemen and auxiliary members become involved with their parents' work.

This past year she became the first elected female Fire Commissioner (another volunteer position) in the Jackson district. As such, she is responsible for the

fire department's budget, including the purchase of major equipment including trucks and ladders. The result of this added responsibility is that her volunteer activities have grown to almost the equivalent of a full-time job.

Because Forcier spends most of her time away from home — between PPPL and the fire department — she convinced her husband to become a volunteer fireman. "The guys at the station really tease him," she laughed. "Now that I'm a Fire Commissioner they say that I'm not only his boss at home, but also at the fire company!"

Regarding her overall impression of nearly seven years of unpaid work she says, "You can't beat the satisfaction you get from working for your own community."

— E. Webster



## TRANSITIONS TRANSITIONS

### BIRTHS

A son, Ryan, was born to Kelliann Potts (of the Controllor's Office) and her husband Jeffrey on August 20.

A son, Kevin John, was born to Richard Hawyrluk (Head of TFTR Tokamak Operations Division) and his wife, Mary Katherine, on September 6.

### NEW ASSIGNMENTS

Harry Howard has been appointed Acting General Manager of Facilities, a position vacant since the departure of Bob Smart. In this position, Howard has line management responsibility for Facilities and Emergency Preparedness.

Myron Norris has been selected to serve as Acting Division Head of the Electronic and Electrical Engineering Division.

Changes which have recently taken place within the TFTR Tokamak Operations Division include the appointment of Erik Perry as Head of the D-T Preparation Project and Larry Dudek as his deputy, and Dennis Mueller as Head of the Physics Operations Branch.

Eric Sanders is the new cafeteria manager.

Ned Sauthoff has been appointed Head of Experimental Projects.

### Low Cost Spaying (800) 631-2212

Friends of Animals' Breeding Control Program offers low cost spaying for cats and dogs. Call for a certificate and list of affiliated veterinarians in the area. Costs are: \$33 female cats, \$20 males; \$54 female dogs and \$34 males. (Marilyn Hondorp at ext. 2656 can refer you to local veterinarians.)

## September Safety Classes

### Cardiopulmonary Resuscitation (CPR)

Tuesday, September 25, 1990  
8:30-12 noon, LOB Commons

The Center for Emergency Training will conduct this course in the life-saving technique of CPR. CPR is required for all electricians and personnel operating a "Safety Watch" for capacitor bank entry. Recertification is required every year.

### Hearing Conservation

Thursday, September 27, 1990  
2:00-3:30 p.m.  
D-Site Safety Trailer

This one-hour class will train the employee regarding the proper procedures and wearing of hearing protection equipment and for working in noisy areas.

Preregistration is necessary for all courses and can be made by calling Sue Hill at ext. 2526. Insufficient enrollment for any course will result in cancellation of the class.

CLASSIFIEDS

### For Sale

Bicycle — Schwinn Stingray, blue, \$35. Call Carol, ext. 2754.

Bicycle — 25" men's Peugeot racing bike. Like new. \$175 OBO. Call Sylvia Reissman, ext. 3577.

Moving Sale — Weight set, bench with leg extender, 160 lbs, cast iron, \$260 (OBO); closet with drawer, \$225 (OBO); black acrylic full-size bed from Japan, headboard has storage space, \$480 (OBO). Call Mike at 298-1884.

Water Bed — Queen size with firm mattress and 4 storage drawers. Excellent condition. Call John Swatkoski, ext. 3601 or 2122.

Old "Shop Smith" — Drill press, lather, etc. Best offer. Call Joe Stencel, ext. 2529.

Boat — 12' aluminum boat, including oars, anchor with rope, life jackets, one-man boat loader for car, plus boat dolly. \$350. Call Rich, ext. 2312.

House — In Lawrenceville. 3 bedroom, 1 1/2 bath. Near Lawrenceville High School. Many new features. \$149,000. Call Stewart, ext. 3243.

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