



HOTLINE

PRINCETON PLASMA PHYSICS LABORATORY

Vol. 5, No. 2

THE EMERGENCY SERVICES UNIT



Most of us can cope with the little "disasters" in our lives. The big emergencies, however, often confound us. PPL employees can count on the Emergency Services Unit (ESU) to stand between them and the crises of fire or serious injury.

The ESU's rolling stock (from left): one rescue truck, two fire pumpers, a chemical truck and an ambulance.



Training exercises for ESU firefighters are conducted in various PPL buildings. Here two firefighters extinguish a mock blaze in the TFTR complex.

When an emergency occurs on campus, the firehouse and ESU Headquarters are usually alerted through their monitoring system. Tuned into the emergency telephone number (3333), such monitors allow the unit to 'get the jump' on emergency situations. On many calls, time is of the essence. According to Jack Anderson, Director of Emergency Services, "You have less than two minutes to take action when you respond to a call. Two minutes can cost someone their life, or allow a fire to increase in intensity twice over".

Among the pieces of equipment the unit possesses are two 1000 gallon per minute fire pumpers, an ambulance, a heavy rescue vehicle, a chemical fire truck, numerous self-contained breathing

apparatuses, the "Jaws of Life" (for extricating crash victims from their vehicles), and just about every kind of rescue tool or fire apparatus made. Regularly scheduled training is given to all members of the unit.

On the firefighting front, all ESU personnel participate in the New Jersey State Fire College training program. The program encompasses command school, search and rescue, arson investigation, hazardous materials training, salvage and overhaul, and other specialized instruction.

In facing medical emergencies, the ESU has 17 certified Emergency Medical Technicians. Each technician receives 120 hours of training, including 10 hours spent volunteering in a hospital. Squad members become well-versed in cardio-pulmonary resuscitation (CPR), and are recertified on a regular basis.

The ESU Heavy Rescue Team is among the best in the country, proving it by winning the State Championship Competition in 1977. These dedicated individuals receive their training from the Hammonton Heavy Rescue School.

The final group composing the ESU is the Fire Police Squad. This group is an integral part of the emergency process. Whenever an emergency occurs, these individuals are responsible for the safe flow of traffic, both vehicular and pedestrian.

The ESU is here to offer their training and experience in a joint effort to make this a safe place to work, not only for themselves but for YOU.

FIRE PREVENTION WEEK OCTOBER 9-15



**Learn
Not To Burn
All Through
The Year**

**FIRE
PREVENTION
WEEK**

**Oct.
9-15**

Each year the nation sets aside a week dedicated to the prevention of fires. This year's theme from the National Fire Protection Association is "Learn Not to Burn All Through The Year". In keeping with this theme, PPL's ESU will be providing a week long program developed to encourage fire safety both at work and in the home.

During the week of October 9-15, the ESU will be conducting various activities including fire drills, first aid and fire extinguisher demonstrations, film showing and an Open House at ESU Headquarters. The bulk of these activities will be held during the hours of 11:30

a.m. to 1:30 p.m. to give everyone the opportunity to participate.

The ESU Open House will give employees the chance to look over the equipment and talk with some of the individuals assigned to the Unit. Refreshments will be served and "Tot Finders" will be given out to all interested parents. Films will be shown in both the Gottlieb Auditorium and the Sayre Hall Auditorium. These films are very informative, and offer some excellent tips on keeping your job safe.

For a full listing of all activities and their respective times, a handy cut-out chart has been provided.

CLIP AND SAVE

FIRE PREVENTION WEEK *** OCTOBER 9-15, 1983**

ACTIVITY SCHEDULE

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
FIRE EXTINGUISHER DEMONSTRATION 10:00 - 10:30 a.m. ESU FIREHOUSE FIRE TRUCK OPERATIONS DEMONSTRATION 11:30 - 1:30 BALL FIELDS FIRST AID DEMONSTRATIONS 3:00 - 3:30 LOB AUDITORIUM	OPEN HOUSE ESU FIREHOUSE 9 - 11 a.m. and 1 - 3 p.m. FILM - SAYRE HALL 11:30 - 1:30	FIRE DRILL B Site OPEN HOUSE ESU FIREHOUSE 9 - 11 a.m. and 3 - 4 p.m.	OPEN HOUSE ESU FIREHOUSE 9 - 11 a.m. and 1 - 3 p.m. FILM - LOB AUD. 11:30 - 1:30	FIRE DRILL C & D Sites

EXTINGUISHER CLASS

Do you know how to operate a fire extinguisher? Although you see them every day, would you be able to use one in an emergency? The ESU will be offering classes on the proper use and handling of fire extinguishers beginning in October. Classes will be held each week for all interested employees. For further information, please contact ESU Headquarters at ext. 3166.

Learn How To Pass

1. Pull

Pull the pin. Some units require the releasing of a lock latch, pressing a puncture lever, or other motion.

2. Aim

Aim the extinguisher nozzle (horn, or hose) at the base of the fire.

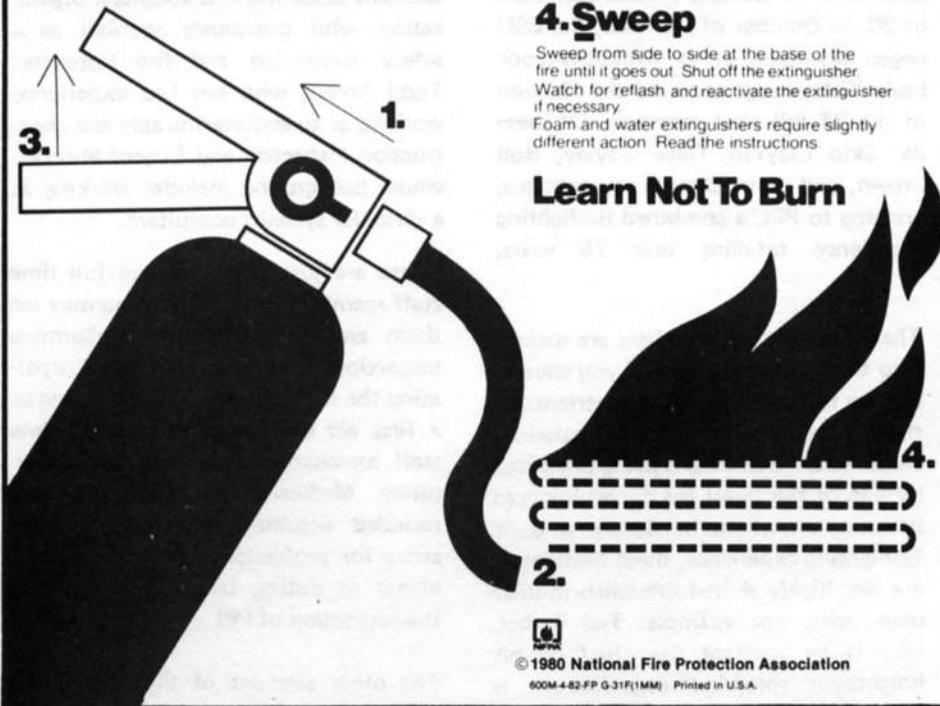
3. Squeeze

Squeeze or press the handle

4. Sweep

Sweep from side to side at the base of the fire until it goes out. Shut off the extinguisher if necessary. Watch for reflash and reactivate the extinguisher if necessary. Foam and water extinguishers require slightly different action. Read the instructions.

Learn Not To Burn



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EMT ?

The letters EMT stand for Emergency Medical Technician. An EMT is a professional who has been extensively trained, certified and registered by the state to administer expert emergency medical care in the field, regardless of the circumstances of the accident or sudden illness. To put it more directly: the EMT is the individual you observe entering the twisted and tangled remains of what once was an automobile on a rain-swept highway at two o'clock in the morning, attempting to save the lives and reduce the injuries of the victims involved until they can be safely turned over to the nearest hospital emergency room. The EMT is the same professional you see bent over the stricken victim of a heart attack, administering mouth-to-mouth resuscitation and closed heart compression in a dedicated effort to save a life.

You rarely meet the EMT under normal circumstances. You'll only see him in action in situations you wish never happened. He is summoned to perform his job in all kinds of weather, at any time of the day or night, in any place, for human beings of all colors and races. Conditions may vary, but the EMT will still be there.

The EMT is trained to be calm, even under the most trying circumstances. He is trained to perform expert emergency medical care without the benefit of a modern, well-equipped emergency room at his fingertips—and without the help of a battery of nurses and orderlies to perform support as he administers life-saving care.

The EMT may be a fireman, a nurse, an ambulance crewman or even a police officer. He is a professional, dedicated to helping his fellow man in a time of need. He has a strong sense of compassion and a desire to give his best when helping others, who through their misfortune can't help themselves. He is someone who has chosen to leave behind him the apathy and the lack of concern for others that seems to be so prevalent



First Aid Squad and Heavy Rescue Team members work to extricate Security guard Rose Spina from her car after the vehicle went off the road near the LOB.

in our society today. He has chosen to do a job that "somebody has to do but nobody wants".

That is an EMT!

(From the Brevard County Association of Registered Emergency Medical Technicians)

We at PPL are privileged to have 17 of our own EMTs. The First Aid Squad of the Emergency Services Unit provides emergency medical care to the Forrestal Campus. The PPL First Aid Squad is composed of both full time ESU staff and dedicated volunteers. On the average, the squad will respond to 60 calls a year, ranging from a cut hand to a motor vehicle accident with rescue.

The PPL ambulance is one of the most well-equipped units on the road today. The members that operate this vehicle are highly trained technicians who are constantly learning the latest emergency medical techniques in order to upgrade their skills.

Those who have seen the ESU in action agree that it's reassuring to know such able people are here to take care of you should it be necessary.

Remember: at any time of the night or day, help is just a phone call away.

ESU PEOPLE

In the early days of PPL, only a few technicians were responsible for providing fire protection to the facility. This was the origin of the Plasma Physics Fire Brigade. Since that day, PPL has grown a hundred-fold—and so has the Brigade. Now called the Emergency Services Unit, they operate with a full time staff of 24 and a volunteer staff of 20. In October of last year, the ESU began operating on a round-the-clock basis. This change required the addition of the 24 full time members. Of these 24, Skip Clayton, Dave Gayley, Bob Brown, and John Glasson are captains, bringing to PPL a combined firefighting experience totalling over 75 years.

The remaining 20 members are divided into three working shifts. If you were to add up the combined fire experience of these individuals, your calculations would show that PPL is being protected by one of the finest fire departments to be found anywhere. In addition to basic firefighting experience, these firefighters are also highly skilled specialists in their own right. For example: Ted Cashel, who is an assistant fire chief on his hometown volunteer organization, is also a highly skilled hazardous materials specialist and fire inspector; Richard Anderson, chief of his hometown

organization, is a qualified insurance company fire rating specialist; and Robert Lamb has a degree in fire science and is a specialist in inspection codes.

Our other "specialists" include Arthur Nash, who worked as a safety engineer before coming to PPL; Dennis Derewsky, assistant chief with his volunteer organization who previously worked as a safety technician and fire inspector; Todd Myers, who has had experience working as an engineering aide and construction inspector; and Eugene Mitman, whose background includes working as a sprinkler systems consultant.

These are just a few of the full time staff members of the ESU. You may see them around the facility performing inspections, repairing equipment, operating the fire apparatus or responding to a first aid call. Seven of our full time staff members are also certified Emergency Medical Technicians. A well rounded organization, Unit members strive for professionalism in the performance of duties, taking great pride in the protection of PPL.

The other segment of the ESU is the volunteers. The volunteers, led by Captain Bill Zimmer, compose the bulk of the daytime responding crew. These volunteers come from all areas of the laboratory. Their backgrounds may range from manager to material control handler, but as a unit they all have one goal in mind - the preservation of life and property. During an emergency situation, these volunteers work side by side with the full time staff members.

Of the 20 volunteers, eight are certified Emergency Medical Technicians, and all 20 have received training from the New Jersey State Fire College. Many of these individuals have been with the Unit for several years: Assistant Chief Ray Slovinsky has logged more than 15 years of ESU service. Another long time member is Jim Chrzanowski. Jim is an engineer with the Coil Shop, but when the whistle blows, he is a highly skilled firefighter, EMT and heavy rescue specialist.



Posing with the pumper at the ESU firehouse are (left to right) full-time firefighter Jim McGuire; full-time Captain John Glasson; and volunteer firefighter John Luckie.

Some of the newer members of the Unit include John Luckie, a material handler; and Harry Towner, a computer programmer from the Research Department. Two other volunteers, Jerry Faul and Ray Kimble, are employees of DOE. So although the Unit's volunteers may all have different backgrounds and levels of experience, when it comes to performing their duties as ESU members, they are all professional firefighters.

In praising the ESU volunteer members, Chief Anderson said "this country was built on volunteers. Volunteers like ours see fire or injury as a catastrophe for someone, and they try to make the situation a little easier by helping out; they're not looking for pats on the back, although they're nice when they come along. They quite regularly put their lives on the line for others. And that makes them very special people, people, because it's in the giving that we receive".

What makes someone run into a burning building when everyone else is running out? What allows someone to aid a maimed person without panicking into inaction? "It's the love of mankind", says Jack Anderson, "the value you place on the life of another human being. I have never met a group with the experience or the dedication our ESU members have; they put in a lot of hours, but they remain a dedicated bunch. Our officers have provided the highest caliber of devotion to duty. In all my years of experience, I have yet to meet individuals with such expertise when it comes to getting a job done. Whatever it takes, they just come through and do it."

CPR

The PPL Emergency Services Unit has been offering CPR (Cardiopulmonary Resuscitation) courses to all employees of the laboratory. This valuable course is taught by certified instructors to the standards set forth by the American Red Cross, and will certify all successful candidates for one year. Currently, courses are being taught for nine hours in either morning or afternoon sessions on Mondays, Wednesdays and Fridays.



ESU Chief Jack Anderson adjusts the seals on volunteer Joe Pownall's face mask during a training exercise.

Some of the skills taught include what to do should you find a person in cardiac arrest, respiratory arrest or choking. Much of the course involves hands-on training using full size mannequins. Everyone is urged to attend this life-saving course. Please call the Emergency Services Unit at ext. 3166 to schedule yourself into the next available course. You or someone you know will be glad you did.

3333

"Security. What is your emergency?"

This is the response you will get if you ever need to call for help by dialing ext. 3333. The 3333 line is a direct access to Security, and an officer who will take the information regarding the emergency. While you are communicating on this line, the ESU is also being notified of your emergency. Even as you speak, an Emergency Services crew is responding to the scene.

Director of Emergency Services Jack Anderson suggests that "when you call Security about an emergency, stay calm, give your exact location, and give as

much information about the problem as possible. Don't hang up on Security; let Security hang up on you when they have the full story." Jack added that employees shouldn't be hesitant about calling the 3333 emergency number. "We'd rather roll on something that isn't an emergency," he said, "than not get called when an emergency actually exists."

Jack urged all PPL employees to cooperate with the ESU. "If you have an emergency, don't wait until you're sure, or it may be too late. Once you've called in, vacate the building and stay clear of the responding ESU members".

The PPL Hotline is issued by the Princeton University Plasma Physics Laboratory, a research facility supported by the U. S. Department of Energy. Correspondence should be directed to PPL Information Services, Module 2, C-Site, James Forrestal Campus, ext. 2754.

ARE YOU AVAILABLE? WE ARE!

When you call us for help, we never turn you away. Now we're asking for your help.

The ESU provides fire protection and emergency medical care to the Forrestal Campus. The unit is currently seeking volunteers to staff the fire brigade, medical services unit and fire police squad.

If you have previous firefighting, first aid or rescue skills, or are willing to learn these skills, then the ESU needs you. Training in all aspects of firefighting, as well as first aid and rescue, is provided by the unit. As a member of the ESU, you can learn valuable skills while providing a meaningful service to the laboratory.

If you are willing to show your concern

for others, please contact Jack Anderson at Emergency Services Headquarters, ext. 3166 or stop by the Headquarters building during Fire Prevention Week. We will have someone available between the hours of 9 and 11 a.m. and from 1 to 3 p.m. on October 11, 12, and 13 to take your application and answer any questions you may have about the Unit. Get Involved!



Joe Pownall and Jim Chrzanowski wash down the chemical entry suits of ESU members participating in the clean-up of last year's Matterhorn Building chemical spill.