



J. W. CLARK NAMED DEPUTY DIRECTOR



James W. Clark

James W. Clark has been named PPL's Deputy Director for Administrative Operations. Mr. Clark, who joined PPL

in March 1982, served as Associate Director and Head of the Financial Management and Controls Department. His new position consolidates the management of these activities with those of the laboratory's existing Administration Department. Mr. Clark will be responsible for the effectiveness of administrative support for PPL technical operations.

Mr. Clark, a former employee of the Chase Manhattan Bank in New York City, served for four years as Director of Strategic Planning for the bank with respect to their operations in the OPEC nations. He was also involved in building a national mortgage banking business for Chase.

From 1950 through 1970, he was employed by the Bureau of the Budget (now the Office of Management and Budget) in the Executive Office of the

President. During that time, he reviewed the budget of the Atomic Energy Commission. He later handled budgets and legislation of the Air Force and the Department of Defense Research and Development programs. From 1965 to 1970, he served as Director of OMB's International Division, reviewing programs and budgets of U.S. international agencies, of economic and military assistance, and of intelligence activities.

Mr. Clark holds a degree in history from Oberlin College, and received his master's degree in public and international affairs from Princeton University's Woodrow Wilson School in 1950. He is married to the former Margaret Custis Archer of Staunton, Virginia. The Clarks, who reside in Princeton, have three daughters — Archer, Margaret, and Susan.



Energy Awareness Committee member, Steve Ragolia, poses with the posters that will be displayed throughout the laboratory during "Energy Awareness Week".

Embargo Anniversary

Where were you 10 years ago? If you were a licensed driver, you were probably sitting in your car, which in turn was sitting in a long line of cars, waiting to receive your regulated allotment of gasoline. The 1973 OPEC oil embargo precipitated a decade of unprecedented inflation and national awareness concerning our vulnerable energy supply.

Dramatic advances by individuals, industry and government in conservation and improved energy efficiency; increased exploration for domestic reserves of oil and natural gas; and a greater utilization of coal and nuclear energy have all occurred over the past 10 years.

The important factor now is to keep the momentum for change going. The US

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DOE has established "American Energy Awareness Week", beginning October 23, in an effort to stimulate the development of America's resources, technologies and energy conservation habits for a more secure and stable future for our nation.

Steve Ragolia of PPL's Energy Awareness Committee will be setting up tables at the A & B Site cafeterias. There will be free PSE&G pamphlets, featuring energy-saving tips for the home, available for employees. Staff members are urged to stop by and avail themselves of the literature.



Harlem Globetrotters beware! The PPL co-ed intramural basketball team is about to make its debut. The team is in need of players however. The season starts November 7th with a schedule of two games per week. The days and times for games vary each week, but are always played at Dillon Gym. Games are played in running time, consisting of two, 30-minute halves, providing a great way to get and stay in shape. Employees interested in keeping fit while having fun should contact Charlie Neumeyer ext. 3696 or John Edwards ext. 3305 for details.



SOSS Seminar

The annual SOSS September luncheon was held on Tuesday, Sept. 20 in the MB Gottlieb Auditorium. Acting as hostess for the day, committee member Chris Ritter read a lovely open letter from the newly elected chairperson, Dolores Bergmann. Dolores was attending a nationwide conference for laboratory secretaries in Oak Ridge, Tennessee. In her letter Dolores thanked the group for their prior hard work and asked for continued support from the membership.

Other newly elected SOSS officers include vice-chairperson/treasurer Mary Dyson, recording secretary Debbie Carter and publicity secretary Dee Hurley.

Laboratory Director Dr. Harold Furth kept the membership abreast of TFTR progress with a most enjoyable lecture and slide presentation. Door prizes were won this year by Louise Tindall, Meryl Finkelstein and Claire Siflinger.

This year's committee members are: Elizabeth Carey, Terri Greenberg, Edna Kalmus, Elizabeth Klank, Audrey Magalhães, Dolores Mazalewski, Dorothy Pulyer, Eileen Rabiger, Chris Ritter, Tara Rogers, Barbara Sarfaty and Tina Whitley.

For Sale

House in Montgomery, 4 bedrooms, living room, dining room, very large kitchen, double garage. Central air conditioning. Acre lot with fruit trees, large basement, \$109,000. Qualifies for University mortgage. Call ext. 2290.

Transitions

Married - Mary Bersch (PPL Benefits Administrator) to Richard Moore, formerly of PPL, on October 5. Congratulations!!!

Safety Alert

The NJ Chapter of the International Association of Arson Investigators reported the following story in their paper: Doug Maake a self-employed electrical engineer from Ann Arbor, Michigan, built his own home. In July, just before an electrical storm, Maake was working in his basement. He observed three separate arcs from an electrical discharge. The arcing occurred between a steel I-beam used to support floor joists and some foil covered insulation. The electrical discharge melted the foil covering and charred the foam insulation material.

Thinking there was a malfunction in the electrical system, Maake went over the

entire system inch by inch only to find nothing wrong. He then noticed that the metal sheathing on the insulation panel was not grounded. He surmised that the sheathing must be collecting an electrostatic charge from the atmosphere. Tests with an electricity measuring instrument confirmed his suspicions. Maake had installed a 40 x 20 foot expanse of foil-covered insulation. The shiny foil is an excellent conductor of electricity and the panel seems to act as a large antenna that collects an electrostatic charge.

Further experiments have led Maake to believe that under certain conditions, such as those that exist just before an electrical storm, the charged panels of insulation can react with the electrically charged atmosphere. If the panels are not thoroughly grounded, that reaction can generate a high-voltage spark. The resulting spark could be intense enough to ignite any combustible material in its path.

Maake has submitted his findings to A. D. Moore, a retired professor emeritus of electrostatics and a recognized expert in the field; and Lavory Larson, an Ann Arbor fire inspector. Both men agree that further study of Maake's findings, and their implications to many unexplained house fires, is warranted. Doug Maake is convinced that a potential hazard exists.

The insulation material in Maake's house is called Thermax Thermo Bord, manufactured by Celotex. Celotex is a division of the Jim Walter Corp., and is located in Tampa, Florida. Maake says he has talked to the company about his findings, but the corporate officers he's spoken with have received the news of a potential hazard with something less than enthusiasm.

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.

Princeton University League Notes

Eligibility for membership in the Princeton University League has expanded to include anyone officially associated with the University. This year for the first time, graduate students and their spouses are invited to become junior associate members while enrolled at the University.

The League also has a new service this year. Memberships for the American Museum of Natural History in NYC and the Franklin Institute in Philadelphia have been purchased. Each membership includes passes for two adults and four children.

Guidelines for members when borrowing passes are as follows:

1. Passes may be reserved on a first-come, first-served basis up to two weeks ahead by calling the League office (452-3650).
2. Passes should be "signed out" at the League office the day before your reserved time. If you wish to use passes on a Sunday or Monday, for example, sign them out on a Friday.
3. Passes must be returned to the League office the following day. If you borrow passes on Friday

or Saturday, return them on Monday.

4. If you wish to borrow passes on a Saturday, Sunday or Monday and they are being used the previous day, you must make arrangements to pick them up from the previous user.

Additional information concerning museum hours, directions and special events - available at the League office. These facilities are each one hour away, and can be reached either by car or public transportation. You and your family are urged to visit these SUPERB museums at no cost!

Volunteers: People People

Many volunteer organizations need additional help. Many people, when asked to give some of their time, ask "Why"?

Volunteering affords you an opportunity to learn new skills, work with a broad range of folks, become involved in community action and provide you with a chance to test yourself! Fall is the time many voluntary organizations offer training courses to prepare new people to join their ranks. Consider the opportunities to learn how to handle a crisis over the phone; how to present money management lectures; the fun of being a museum docent; or giving a talk for elementary school children on the problem of child abuse. Learn the role you can play as a friend to a fatherless boy, or a youth on probation. Discover how a volunteer can make difference in promoting equal housing.

Training can also prepare you to work with a fatherless child in youth development activities; an adult unable to read enough to hold a job; or serve as a tutor to inner city children. Families of frail elderly parents will be assisted for a few hours a week if you take a course on respite care.

If health care is your real interest, training programs are about to begin for those willing to assist recently released mental patients, cancer victims, the terminally ill, or to staff a women's clinic.

Training schedules and information on programs are available at the Morris County Voluntary Action Center - call (201) 538-7200 for an appointment. The Voluntary Action Center, a United Way agency, is a clearinghouse matching volunteers to community needs.

Why not call one of the many agencies in need of help now? You will not only be lending a helping hand, you will also be gaining a valuable and positive experience for yourself.

ONE TIME PROJECT: Work at home or in an office, transcribing tapes of proceedings from a conference on child welfare to a typewritten manuscript. Learn new facts yourself while helping to document material for others. If interested, call the VAC at (201) 538-7200.

FOOD CLOSET: An organization providing services to low income families has a volunteer group which coordinates

food donations. Volunteers are needed to shelve and inventory the donated food on a regular basis. Other tasks on a more flexible basis are to prepare a newsletter, speak to groups, and interest and maintain contact with new donors. A background in nutrition would be helpful but not required. This is a vital service; please consider it.

HOSPITAL AIDES: There is a need for volunteers to assist staff in a variety of ways, such as providing leisure time activities for patients and generally offering encouragement and support. Contribute your enthusiasm and energy!

Mr. FIT-IT: The perfect assignment for the laboratory's many handymen. Help out a rehabilitation center for disabled children repairing toys, braces and other equipment. If you are available once in a while on a regular basis anytime between 8:30 a.m. and 4:40 p.m. (Monday-Friday), please call (201) 538-7200.

ENVIRONMENTALISTS: Enhance your environment while enhancing your organizational skills! Here is your opportunity to plan, implement and manage a local recycling program. A town coordinator is needed for this project: Call (201) 538-7200 for more details if "in charge" work is your desire.

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INFANT CARE: Volunteers can provide loving care and attention to a small group of children ages 6 months to 5½ years; walking, singing to or feeding the youngsters. Any amount of time you share will be appreciated -- call (201) 538-7200.

SPECIAL EVENT: A local health organization needs assistance at an upcoming **BIKE-A-THON**. Come and have fun out-

side on a crisp autumn Sunday. Tasks are registering cyclists, stamping cards at check points, or serving refreshments. If you can spend two hours or more, call the VAC.

VISITORS: Elderly residents of small boarding homes would appreciate visitors on a consistent basis, one to two hours a week. Extend your hand and smile to brighten the days of a few of our for-

gotten, lonely older folks.

ADMINISTRATOR: Sharpen your organizational skills as a volunteer coordinator. A small institution catering to the severely emotionally handicapped (ages 5 - 17) needs your services in developing and recruiting volunteers to meet the particular needs of the school. Call (201) 538-7200 for more information today.



Tour Guides



The summer months were no time to take a vacation! At least not for the 58 individuals who acted as tour guides for the laboratory's 982 visitors. The Open House evening programs continue to attract about 80 of our more curious neighbors each month. Information Services wishes to thank the following individuals for their continued help and support:

JULY

Suzen Bayer
Paul Bellomo
John Bradish
John Coonrod
Fred Dylla
Ernst deHaas
Robert Ellis
Robert Fleming
Naren Kokatnur
Randall Knize
Janardhan Manickam
George Martin
Raj Mukjerji
Harold Murphy
Gary Oliaro
Mike Periera
Fred Tenney
Hal Wexler
Irving Zatz

AUGUST

Suzen Bayer
Norton Bretz
Sam Cohen
John Coonrod
Charlie Bushnell
Ernst deHaas
Frank Dreher
Robert Fleming
Stuart Foote
Sam Goldfarb
Phil Heitzenroeder
Harry Howe
Harold Johnson
Naren Kokatnur
Randall Knize
Ira Lehrman
Dennis Manos
Tom Meighan
Mike Periera
Mike Spadafora

SEPTEMBER

Halsey Allen
Suzen Bayer
John Bradish
Ernst deHaas
Anthony DeMeo
Melvin Gottlieb
Alan Janos
Naren Kokatnur
Jerry Levine
Holt Murray
George Martin
Mike Periera
Larry Stewart
Joe Stencil
Al Swain
Al von Halle
Hal Wexler
Irving Zatz