



BROOKHAVEN BULLETIN

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Researchers Need Marrow Donations

Scientists who use blood and bone marrow for research in laboratory studies are in particular need of additional bone marrow donors.

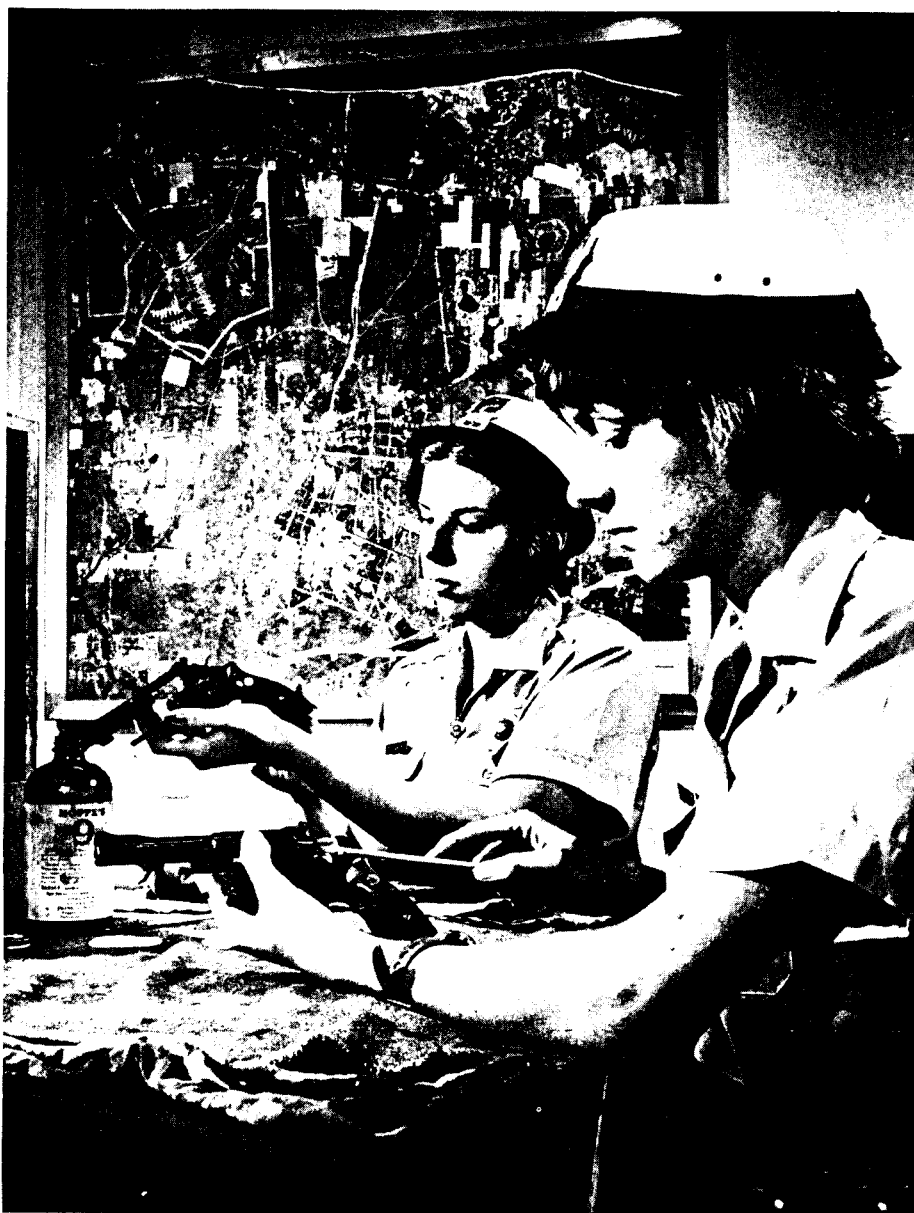
A list of individuals wishing to participate is maintained at the Hospital and as the need for donors arises, these individuals will be called. Obtaining blood for laboratory studies is not part of the blood drive program sponsored by the American Red Cross.

To meet this need for blood and marrow to be used in laboratory studies, the Medical Department has established procedures whereby Brookhaven National Laboratory employees may be compensated \$10.00 for a withdrawal of up to 50 milliliters of blood and \$50.00 for up to 10 milliliters of bone marrow. If both are withdrawn at the same time the contributor would receive \$60.00.

Requirements for participation in this program are that the individual be a Brookhaven National Laboratory employee, at least 21 years of age and in good health. As samples will be taken as scheduled during the regular working hours (8:30 a.m. - 5:00 p.m.), absence from one's regular duties must be approved by the individual's supervisor. The total time required in the Medical Department for taking a blood sample will be approximately 10 minutes; for taking a bone marrow sample, approximately 30 minutes.

Jean Matkovich, the receptionist in the research outpatient clinic, said that most donors are very surprised at how painless the bone marrow donation procedure is.

Any employee interested in participating in these studies may obtain further information by telephoning Ext. 3672.



Donna Daros (left) and Susan Rackett clean and polish their 38-caliber guns.

Polytech Program At BNL

Brookhaven National Laboratory and Polytechnic Institute of New York are jointly sponsoring an academic program in nuclear engineering. The first course will start at 6 p.m. on Tuesday, September 9, in the third floor classroom of Building 701, the Brookhaven Graphite Research Reactor.

The time and place of succeeding sessions will be decided when the class meets on Tuesday. The course this fall will be NU 601, Introduction to Nuclear Engineering and will be taught by M.M. Levine. The text is *Introduction to Nuclear Engineering* by John R. Lamarsh, Addison-Wesley Publishing Co., 1975. Students are encouraged to obtain this textbook before the class starts.

For further information about the program call Glenn Price, Ext. 3336.

Selected Reading

Nat. Rev. 27, August 15, 1975

The excesses of the professional environmentalists. R. de Toledano. 877-8

Science 189, August 29, 1975

What's wrong with this picture? R. Gillette. 703
Science in Vietnam: The postwar North seeks American assistance. D. Shapley. 705-7

Sci. Gov. Rep. 5, August 1, 1975

Scientific elite flecks to Rev. Moon's Conference. 1-3

Aiming In The Right Direction

With less than three months of police training behind them, Susan Rackett and Donna Daros have already excelled in 38-caliber marksmanship. They joined the Laboratory's Police Group on June 23, as police officer trainees, and are scheduled for at least three more months of training.

Recently they entered a shooting tournament sponsored by the Northport Police Benevolent Association (PBA), and although they both scored high, Susan came within two points of winning the first place trophy for women. The trophy was won by a well-seasoned Nassau County female police officer. With the highest possible score being 300, Susan shot a 267 and Donna a 262.

Their police training involves much more than learning to use a 38-caliber gun, they will eventually be familiarized with every type of firearm, including automatic weapons and tear gas guns. They have also been learning all about firefighting including how to drive the fire truck. Besides the practical training they have devoted many hours to studying their police training manuals.

Although they both have one thing in common, an avid interest in competition shooting, Susan and Donna differ in many ways.

Before coming to Brookhaven, Susan spent four years as a nurse's aide in a local

nursing home. She has always wanted to work at the Laboratory, stimulated perhaps by hearing so much about it from her father, Gordon Rackett who works in the Accelerator Department. When she heard about the position in the Police Group, she applied but was not sure what to expect. "I had never given any thought to police work," she said.

She likes her newly found career very much and is an especially good marksman. She spends every free moment, including holidays, practicing on the Lab's shooting range. She had never held a gun before coming to the Lab but is now determined to get as good as she can. "I plan on entering every tournament that comes my way," she commented.

Susan has lived all her life in East Marion, at the end of Long Island's north fork. Her family is one of the first families of that area, with roots dating back to 1690.

In contrast, Donna moved out to Long Island from New York City when she was two. Her family now lives in Holbrook. But her roots in police work run deeper than Susan's. Before coming to the Lab, she was a fresh graduate in police science from Suffolk Community College. She wanted to join the Suffolk County police force, but because she was not 21, she did not qualify for the entrance test. Instead, she took the

(Continued on page 3)

Pegram Lectures Start Next Week

"Noah's Ark: An Inquiry Into Nature, Man's Food and Population," will be the title of the 14th George B. Pegram Lecture series to be held on September 10, 11 and 12. Dr. Jean Mayer, Professor of Nutrition and member of the Center of Population Studies at Harvard University will present the lectures in Berkner Hall starting at 8 p.m.

The first lecture, to be presented on Wednesday, September 10, will be subtitled Nutritional Diseases and Standard of Living. The second, on Thursday, September 11; Food Production, Distribution of Resources and Population; and the concluding lecture on Friday, September 12; Towards a National and International Food Policy.

At 9:30 a.m. on Thursday and Friday mornings, September 11 and 12, the BNL staff is invited to take part in informal discussions with Dr. Mayer in the third floor conference room in the Chemistry Building. For those who miss these morning sessions, an informal reception with refreshments will be held following each of the evening lectures.

Dr. Mayer is well known for his research on the mechanism for regulation of food intake and the developments of experimental and human obesities. He has published approximately 650 papers and several books, and is the author of a syndicated column on nutrition.

He has served as a member of the Nutrition Division of the Food and Agriculture Organization of the United Nations (FAO). As a consultant to FAO, the World Health Organization and UNICEF, he has participated in technical missions in various continents. In particular, he led a technical mission to wartime Biafra in 1969. Dr. Mayer is presently a member of the Protein Ad-



Dr. Jean Mayer

visory Group of the United Nations and heads the U.N. Task Force on Child Nutrition.

As Chairman of the U.S. National Council on Hunger and Malnutrition, he had a major role in calling the nation's attention to the nutritional problems of the poor in America. Dr. Mayer is presently a member

(Continued on page 2)

French Film Explores City/Country Competition

The French Group of BNL will present the film "Les Cousins" on Thursday, September 18, at 8:00 p.m. in Berkner Hall. Members of the BNL community and their friends are cordially invited to attend. A donation of \$2 will be requested from those who are not members of the French Group. After the film showing, there will be a brief meeting to discuss the future of the BNL French Group.

In his 1958 film "Les Cousins," Claude Chabrol, the director, in an almost amoral view of the city mouse-country mouse competition, sees neither as getting the cheese. Pauline Kael, movie critic for *The New Yorker*, had this to say about the film:

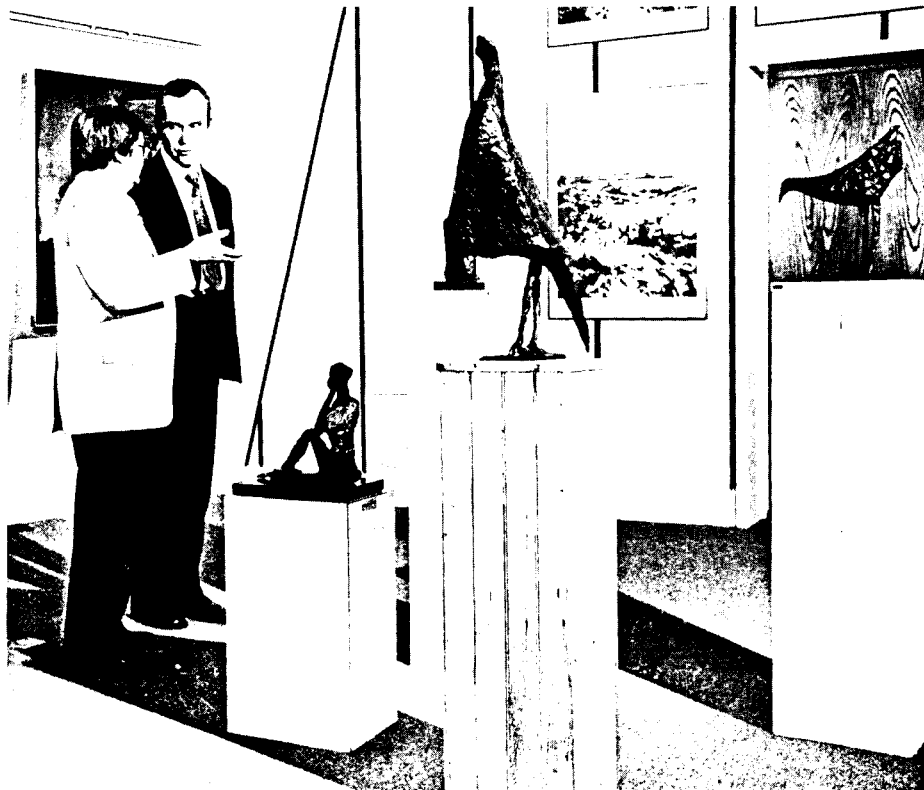
"Chabrol shows that the old concepts of romance are inadequate to a world of sexual ambiguities and he shows that, from the point of view of the bright and the gifted, and in our world — where the present, as much as the future is uncertain — a country cousin who plods to make good and get ahead must be a little dull witted. Perhaps the country boy is not really so honest as he seems: his diligence, his sobriety, all his antique virtues may be just a self-deceiving defense against the facts of modern life. The heroine, who almost thinks she loves him, realizes that this is just an intellectual and aesthetic response; she would like to be able to believe in a pure, sweet and enduring love. It would be so much prettier than the truth about herself. The others treat him with a gentle nostalgia — as toward a figure from the past."

—Ralph Weston

Pre-Season Net Tickets

Anyone interested in tickets for Nets exhibition games between the Nicks and the Warriors on October 8 and 15, please call Extension 2873 before Wednesday, September 10. Ticket prices are \$8.50, \$7.00 and \$5.50.

Art Exhibit Still Going Strong



On the opening night of the BERA Art Exhibit, Ed Sayre, a member of the Art Committee takes Dr. Vladimir Gromov through the exhibit of art works by five Long Island artists. Dr. Gromov, who was visiting the Laboratory at the time, is Deputy Director of the Institute of Physical Chemistry in Moscow. The exhibit opened on August 27, and will be in Berkner Hall through September 12. It will be open on weekdays from 11 a.m. to 2 p.m. and on the evenings of the Pegram Lectures, September 10, 11 and 12.



This fall's class of semester students are: (standing left to right) Reginald Clark, Gwenda Sango, Barbara Love, (seated) Elaine Flowers and Judith LaGarde.

Fall Semester Begins For Five

On Tuesday, five students from southern colleges arrived at La Guardia on one of Long Island's best September days to participate in the 15th class of the Brookhaven Semester Program.

The students are Reginald Clark and Judith La Garde, seniors at Norfolk State College; Elaine Flowers, a senior, and Barbara Love, a junior, at Alabama State University; and Gwenda Sango, a senior at Langston University.

They have spent this week getting settled in their dorms, and becoming familiar with the Island, the Laboratory and their advisors. On September 8, they will start work — classes in the morning and research in the afternoon — a pattern to be followed for the next sixteen weeks.

In the past, the math students have had two full courses of study. This year they will have a somewhat different program. A full course in computer science will be taught by John Denes, Applied Math. Mini-courses in statistics, linear algebra and numerical methods will be taught by John Denes, Applied Math. Mini-courses in statistics, linear algebra and numerical methods will be taught by Chung-Siung Kao, Elliot Auerbach and Charles Goldstein, respectively. This approach, mini-courses in several topics, has been tried with the biology and chemistry semester students and has proved to be most successful.

The students' research advisors are being selected from the staff of the Applied Mathematics and Applied Science Departments.

Pegram Lectures

(Continued)

of the President's Consumer Advisory Council and chairman of its health committee.

Dr. Mayer, the son of physiologist Andre Mayer, was born in Paris, France. He completed his undergraduate studies in Paris, receiving a B. Litt. and a B.Sc. and several of the highest scholastic awards in France, including the First Prize of French Colleges.

During World War II, he served in the French Army and the Free French Forces in France. He was awarded 14 decorations.

After the War he resumed his studies at Yale University and the Sorbonne in Paris. In 1948 he was awarded a Ph.D. in physiological chemistry from Yale, and in 1950 he received a D.Sc. in physiology from the Sorbonne. He has since been awarded an honorary M.A. from Harvard and an M.D. from the College of Physicians of Czechoslovakia.

In Memoriam

Philip A. Christian, a Laboratory employee since October 18, 1971, died on September 2, 1975. Christian worked as a Custodian in Purchasing and in Photography.

Henry Boomer, his supervisor, said, "he was a good worker with a friendly disposition and was very well liked by the people he worked for."

Christian's death, at 36, was the result of an unexpected complication in a hospital operation. He is survived by his wife, Barbara, two sons and a daughter.

A Fishy Story

Shades of Hemingway and "Jaws!" Plant Engineering's George Guydish, Jr. bagged a white marlin and a dusky shark in the same day.

Last month, George entered a shark tournament, and his boat, one of 20 in the tournament, landed a 145-pound, five foot long dusky. This was cause enough for celebration, but the real zinger of the day was the unexpected landing of a 117-pound, eight-foot white marlin 40 miles south of Moriches Inlet. "A nice bonus," says Guydish casually.

The marlin didn't hang around waiting to be caught. Four times they had him to the boat, before he was finally hauled on board one hour and 55 minutes later. During this contest of wills, the marlin was pulling so hard that the reel started to smoke from the friction and they had to douse it with water. These were frantic moments for George, because not only was the fish going into the briny deep, but so was his borrowed reel.

Guydish has applied to New York State to register his marlin catch as a record. This takes a lot of confirmation. First, a biologist must check the fish for species. A Stony Brook biologist has done so and will sign the application attesting to the species. Also required to sign, besides the actual fisherman, are two witnesses to the catch, the owner of the scale it was weighed on, and the weighmaster. The New York State record is 70 pounds. The world record for white marlin is a 159-pounder caught in Ecuador.

Guydish has been fishing since he was knee-high to a grasshopper, and would fish seven days a week if he could. Right now, he is off on a four-day fishing trip to the Gulf Stream and his goal is a hammerhead shark, a species which can attain a length of 15 feet.

He feels the movie "Jaws" portrayed too intelligent a shark. "One shark would hardly chase a boat around all day," he says. Although he has caught mako and dusky, he has never seen a white shark or a thrasher around here. Guydish says that the movie has made charter boat owners happy. Tourists are lining up at Montauk to go shark fishing.

If he lands a big hammerhead this time out, he is going to be in trouble. A ten-foot wall in his home has been prepared to receive the eight-foot marlin which is now being mounted at a local taxidermist's. If he catches a bigger hammerhead, he'll have to move out of his house.



George Guydish with his 117-pound prize catch.

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CARL R. THIEN, *Public Relations Officer*
JEAN BURKE, *Editor*
CAROL GOLDSTEIN, *Copy Preparation*

40 Brookhaven Ave. Upton, N.Y. 11973
Telephone 516 345-2345

Trip To New York City

The next group trip to New York City will be on Wednesday, September 10.

Departure will be at 8:59 a.m. from the Patchogue LIRR station; any train to Patchogue may be used for the return trip.

Please note that the LIRR has raised fares and will now charge \$2.45 for the special roundtrip ticket. Children continue to ride free. (It's still a bargain.)

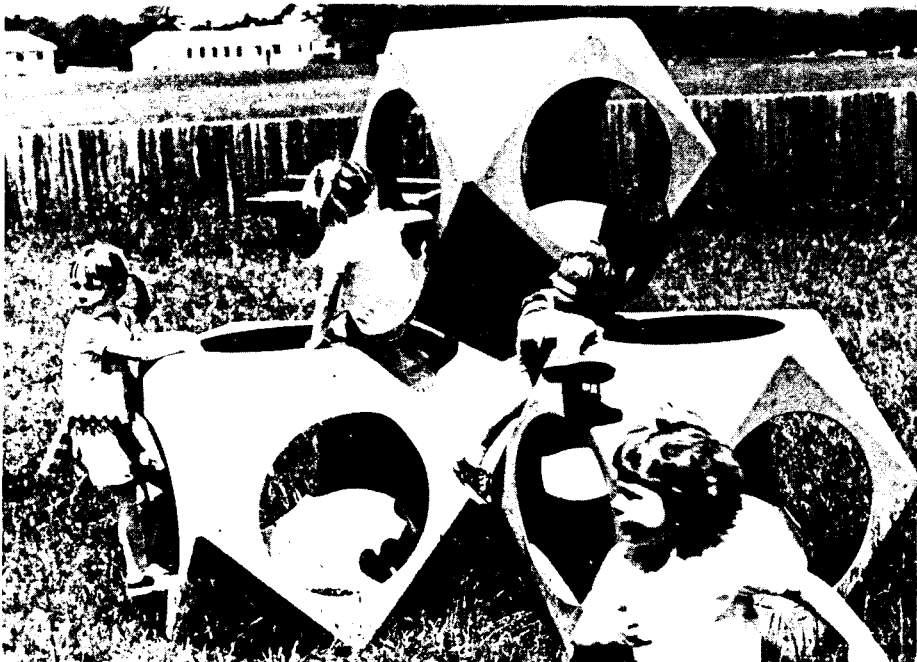
Sign up as early as you can by calling Rosemary Jewett, Ext. 3089, or Ruth Dimmler, 751-6342.

Cafeteria Menu

Week Ending September 12, 1975

Monday, September 8	
Cream of Mushroom Soup	
Chicken a la King on Rice	1.10
Cheese Omelet & 1 veg.	1.00
Tuesday, September 9	
French Onion Soup	
Beef Stew on Rice	1.20
Stuffed Cabbage & 1 veg.	1.20
Wednesday, September 10	
Split Pea Soup	
Breaded Flounder & 1 veg.	1.10
Spaghetti Special	
Spaghetti w/Meat Sauce & Garlic Bread	
All You Can Eat	\$1.00 plus tax
Thursday, September 11	
Cream of Chicken Soup	
Beef Hash & 1 veg.	1.00
Veal Pattie Parmigiana & 1 veg.	1.20
Friday, September 12	
Fish Chowder	
Broiled Filet & 1 veg.	1.10
Braised Beef & 1 veg.	1.20

Back To School Time



Outdoor play is just one of the activities a child can enjoy in the Upton Nursery School. This year's classes will begin on Monday, September 8, and Tuesday, September 9. There are still openings for three and four year olds. The children attend school two or three mornings a week and participate in a varied program including art, music, outdoor play field trips, dramatic play and other activities that help prepare the children for elementary school. The teachers are professionals and are assisted by one parent in each class during each session. With parents cooperating in the running of the nursery school, the tuition fee can be kept low. Anyone interested in enrolling their child or wanting further information, contact Linda Lynn, c/o Upon Nursery School, Box 324.

Rifle & Pistol Club

Let's start the 1975-76 season with 100% attendance at our opening meeting on Wednesday, September 10, at 5:15 p.m. at the apartment area recreation building. We will want to get acquainted with the several new members who joined our club this summer.

Among the items of business will be the status of and plans for putting the trap range into operation. Also, the putting together of teams for industrial league competitions this coming season. (Remember, league rules allow everyone to compete regardless of proficiency.)

Naturally we will all want to hear the current standings in this summer's outdoor matches, and about the recent doings in the Long Island Federation of Sports Clubs which we recently joined. So don't wait to hear it second hand, come out on the 10th and hear it straight at the start. As in the past, we will have the use of the Barton Avenue Armory on Tuesday evenings - starting September 2 through May 1976.

—Don Huszagh

Police Trainees

(Continued)

test to become a cadet. In the meantime, one of her professors told her about the opening in the Lab's Police Group so she applied.

Donna has always had her eye on becoming a police officer. Her great interest stemmed largely from conversations with her uncle, a New York City policeman. She was always fascinated by the police shows on television, and knew that police work was what she wanted to do.

Donna has been handy with a gun ever since she was 12, when she started going to upstate New York to practice rifle shooting with her father. She is now expanding her knowledge to include hand guns. "Shooting is sort of like bowling, every step has to be right and you have to concentrate very hard," she commented.

Captain Frank Bugala has been the women's chief training officer and is exceptionally pleased with their progress. "They are both naturals," he said proudly.

A Revealing Look At A Very Special Event



The Owl (George Lozides) and the Pussycat (Cathy McGuinness) give a not too subtle hint of what is in store for us on the nights of September 19 and 20, at the BERA Very Special Event. Although both these nights are sold out as is September 27, there are still tickets available for Friday night, September 26. On that night the featured play will be I Do, I Do, followed by dancing to the M.J.B. Trio.

More Tennis News

Lost in the confusion of bad weather and vacation schedules was the mixed doubles final. The event pitted the men's and women's singles champions Alan Rosenberg and Shizue Iwai against the men's and women's runners-up: John Elmore and Chris Saitta. The Elmore-Saitta team won 4-6, 6-4, 6-4 in a match interrupted for a few days due to rain.

The tennis ladder continues. Keep challenging. Contact Tom Koetzle, 4384, for any problems.

Arrivals & Departures

Arrivals

Nancy E. Bernius	Biology
Dipankar Chandra	Applied Science
Judith Colman	Applied Science
Jay N. Doniger	Biology
Roger A. Cowley	Physics
Joan M. Dickey	Applied Science
David Edwards Jr.	Accelerator
Charles Flaum	Physics
Joel H. Goldman	Physics
Alan L. Hermelee	Applied Science
Tun-Hsu McCoy	Applied Science
Alexander C. Pittman	Health Phys. & Safety

Departures

Lance S. Evans	Biology
Robert F. Hammer	Medical
Nancy Jo McKenna	Purchasing
Iris A. Mastrangelo	Biology
William E. Moser	Plant Engr'g.
David Mukamel	Physics
Karen I. Petersen	Applied Science
Roger Pynn	Physics
Shin-Ichi Tokuno	Medical

Classified Advertisements

Placement Notices

Each week the Personnel Office lists personnel placement requisitions, currently being processed. The purpose of these listings is, first, to give notice of all non-scientific staff positions being filled and, second, to give employees an opportunity to request consideration for themselves through the Personnel Office. In filling vacancies, the Laboratory's objective is to give first consideration to present employees, as follows: employees within the immediate group having the vacancy, employees within the department or division, employees within the Laboratory as a whole.

For further information regarding a placement notice, or to request consideration for an available position, contact Supervisor, Personnel Placement & Development, extension 2874 or 2882.

182. PROGRAMMING ASSISTANT - AAS degree or equivalent in Data Processing. Operating Systems group. Applied Mathematics Department.

183. TECHNICAL SPECIALIST - AAS degree or equivalent in Data Processing with two to four years programming and operating experience on CDC 6600 or 7600. Applied Mathematics Department.

184. NUCLEAR ENGINEERING ASSOCIATE - MS degree or equivalent in Nuclear Engineering with computer science background to make modifications to large computer codes. Part-time position. Reactor Safety. Department of Applied Science.

185. CHEMISTRY ASSOCIATE - BS degree or equivalent in analytical chemistry. Familiarity with instrumental analysis required. Department of Applied Science.

186. SECRETARY - AAS degree or equivalent in secretarial science. Shorthand desirable. Environmental program. Department of Applied Science.

Autos & Auto Supplies

70 CHEVY ENGINE - 395, 55,000 mi, w/extra heads & exhaust system. \$250. Ext. 3692.

67 OLDS CUTLASS - Supreme V8, automatic, new battery & tires, good gas mileage, excel cond. \$850. 473-8067.

