

Strategic Planning For Multiprogram Labs



William Marcuse

Doug Humphrey

Two years ago, economist William Marcuse went to DOE's headquarters in Washington to work in the Office of Field Operations Management, within the Office of Energy Research. His task was to help DOE develop a long range strategic planning process and a definitive set of roles and missions for the multiprogram national laboratories. In a recent interview with the Bulletin, Marcuse made these comments about the nature of his work in Washington.

Question: What labs are multiprogram?

Answer: Two years ago 12 labs were classified as multiprogram - four have since been reclassified as single program labs. The multiprogram labs are divided into three groups: Argonne, Brookhaven, Lawrence Berkeley and Oak Ridge under the cognizance of the Office of Energy Research; Lawrence Livermore, Los Alamos and Sandia under the purview of the Assistant Secretary for Defense Pro-

grams; and Pacific Northwest under the aegis of the Assistant Secretary for Nuclear Energy.

Q: How did these labs get started?

A: The multiprogram national labs originally came into being when the military-controlled Manhattan Project was converted to the civilian-controlled Atomic Energy Commission, and a national policy was established to continue the development of the atom for peaceful uses. When the oil embargo of 1973-74 triggered a national concern with energy policy, the AEC and its labs were absorbed first by the Energy Research and Development Administration and then by the Department of Energy. Actually, DOE maintains about 40 labs, most of them supporting a single program and funded by a single programmatic sponsor. Responsibility within DOE for the single program labs rests with its programmatic sponsor. But there is no single sponsor for the multiprogram labs. Because of this, responsibility for their wellbeing has been assigned to the Director of the Office of Energy Research.

Q: Would you describe the program you were involved with in Washington?

A: I worked in the Office of Field Operations Management. This Office operates the institutional planning process, which had been going on for three years when I arrived. The Office perceived a need for continuing communication and rapport with the labs. They felt that by a continuing stream of temporarily assigned laboratory personnel, they would create a communications network and assure themselves that laboratory views were considered in their management approach. This is an important office. You could say that this Office provides the same function for the \$4 billion-a-year lab system that a long-range planning staff performs in a Fortune 500 company.

Q: What did you do at Headquarters?

A: The intention is to have laboratory people on assignment at Headquarters on a continuing basis — people with different interests. My background in systems planning was a good place to start in terms of the overall missions and directions of the laboratories. I was to address how the management system could act as an integrating mechanism for the multiprogram labs across the DOE programs, and how the Office could develop uniform policies for the laboratories. For instance, for a later assignment they hope to find someone with a computer science background, who will help them integrate planning for data processing.

Q: Are the labs threatened?

A: Let's put it this way. The present Administration feels that industry should do almost everything except very basic research. On the other hand, the universities, while they support the labs because they are users of the labs, also see the labs as competitors for the same scarce research dollars. The idea is to find some reasonable fit for the laboratories between these two pressures.

Q: Have the labs been damaged already?

A: There has been some minor damage in key areas. However, for the most part, major centers of excellence have been trimmed back but the core capability still exists. But further cuts would raise the question of whether one or more labs should be closed. Is it better to have a large number of small labs, or a smaller number of larger ones? Another area that needs examination is the possibility of moving non-defense work from the healthy defense laboratories to the ailing energy research laboratories.

Q: Is DOE supportive of the labs?

A: DOE is charged with four missions — national defense, national trust, basic research and long-term, high risk research. The secondary functions are education, technology transfer and work in related disciplines, for example, health and environmental areas related to energy production. The individual labs are the means of fulfilling those missions. Under national trust comes large machines too expensive to have at any single university. Basic research, and this is the one that is tricky, includes those areas which require an interdisciplinary mix. The basic research and national trust missions are the basis of support for the four multiprogram laboratories that are under the cognizance of Energy Research. Clearly, DOE defense and nuclear missions are the basis for support of the remaining laboratories.

(Continued on page 2)

Affirmative Action Head Named

He believes in getting qualified people to do a job, and he expects that the competence of these people will be respected, regardless of race, creed or sex. He is realistic. He will do what he can to change what he can, and confines his efforts to the workplace. He is Earl Blanton, BNL's new Manager of the Affirmative Action Office.

Blanton's career has spanned some 35 years in the Army, state and national government and in private industry, and, during this time, he has seen considerable progress in the area of affirmative action. "Considerable progress," he says, "but no real change in attitude. The old attitudes on race and the double standard for women are still there, just not so open." So he doesn't spend his energy on trying to change social attitudes, but concentrates on improving working conditions. He sums up his philosophy this way: "If I can cut it on the job, and you can't accept me because I'm a minority member, then the problem is yours, not mine."

Asked what he thinks about on-the-job training, he believes it has its place, but that there should be a time limit set for the trainee to qualify. If, for instance, the qualification period is 90 days, then the trainee should make it his or her business to qualify in that period. "The burden doesn't belong on the organization which is providing the training," he says.

Blanton grew up in Aliquippa, Pennsylvania. He enlisted in the U. S. Army as a private and emerged some ten years later as a captain. Among other places, he was stationed as an instructor with the Army Intelligence School in Italy and with the 25th Infantry Division in Korea. When he left the service, he took a job as a deputy with the Los Angeles Sheriff's Department (he didn't think he was a very good sheriff), and worked part-time with the State Employment Service Office where he later became a full-time minority representative. Along the way, he also obtained an M.B.A. from Pepperdine University in Malibu, California.

In 1967, Blanton moved to Washington, D. C. where he was Title VI Compliance Officer with the Department of Labor. He moved on to similar jobs at the National Highway Traffic



Earl Blanton

Mort Rosen

Safety Administration and the Federal Aviation Administration. In 1977 he was appointed Equal Opportunity Director of DOE's Region II (New York, New Jersey and Puerto Rico). In 1979, Blanton left DOE to become Equal Opportunity Director of Hoffmann LaRoche Co. in New Jersey where he remained until this spring.

Now, he says he is looking forward to the challenge of the job at Brookhaven. Two goals particularly interest him: to increase the number of minorities on the scientific staff; and to develop a program in science for young students (say, 5th and 6th graders) to get them interested in science at an early age. He believes this would be a considerable contribution by BNL scientists to the local schools and to the future.

Blanton's office is in Bldg. 460 and he welcomes anyone who wishes to talk to him. "This office door is always open," he says.

When his regular working day is done, Blanton turns to his hobby which has also become a part-time business. It is digital watch repair. He enjoys the work and says there are not many people who can do this kind of repair. Blanton is married and has a daughter and son. He plans to relocate on Long Island from Westfield, New Jersey later next year when his son finishes high school.



Doug Humphrey

On October 14, Dr. Harlan Watson (left), Technical Consultant, and Dr. John Dugan (center), Staff Director, of the Energy Research and Production Subcommittee of the House Science and Technology Committee, came to Brookhaven for a day-long briefing. They visited the principal facilities and heard presentations on BNL's programs in the life sciences, safeguards, fusion and acid rain. On the magnet assembly floor of the Colliding Beam Accelerator they got an opportunity to look inside a magnet. Here, with Parke Rohrer, deputy project head, they examine the dipole magnet coil.



Roger R. Stoutenburg

During their week-long stay at Brookhaven, the Yugoslavian delegation visited BNL's Peter Fallon at the high pressure tubular reactor in Building 526, where flash pyrolysis of coal produces fuels and chemical feedstock. From left are: Dr. Slobodan Kapor, Director of the Analytical Laboratory, Institute for Application of Nuclear Energy, Belgrade; Dr. Mirka Fugas, Head of the Laboratory of Environmental Hygiene, Institute for Medical Research and Occupational Health (IMROH); Mr. Amir Kukaj, Chemical Engineer, Kosovo Institute; Peter Fallon, BNL; Dr. Marko Saric, Director of IMROH; Mr. Husamedian Azemi, Deputy General Director of Combine Kosovo; and Eugene Premuzic, BNL, who acted as the interpreter for the Yugoslavians.

U.S. And Yugoslavia Join In Coal Study

This past week, a friendly "Dobardan" might have triggered a conversation with any one of six Yugoslavians here at Brookhaven. The Yugoslavian delegation has been at BNL October 18-22 for a program review of a joint U.S./Yugoslavian health effect study of a coal gasification plant in Yugoslavia. They leave the Lab site today for a tour of U.S. facilities.

The Kosovo gasification plant is part of a large industrial complex located near the city of Pristina in southern Yugoslavia. Lignite coal, mined at the site, is used to produce a medium-BTU fuel gas for heating and transportation, and hydrogen for ammonia synthesis (ammonia is used to make fertilizer).

The plant has been operating for 13 years, and good medical records are kept on the workers. The 50/50 joint study will assist Yugoslavia in identifying the health impact of the plant, which is representative of the kinds of facilities under consideration for future commercial use in the U.S.

Coal gasification plants are not new to the U.S. They were used at the turn of the century for town gas, to provide heat and lighting. Electricity and cheap oil spelled an end for them.

Today, the process is being considered as an energy alternative to foreign controlled oil, and several pilot plants are operating around the country. The one in Morgantown, West Virginia, will be toured by the Yugoslavians.

The joint study has two parts: industrial hygiene and epidemiology. The industrial hygiene assessment will consist of extensive personnel and work area monitoring programs. Sampling at Kosovo was first done in September, 1981, and repeated in February and June, 1982.

Air contaminants include coal dust, coal tar pitch, polynuclear aromatic hydrocarbons, volatiles, and chemicals such as benzo(a)pyrene, cresol, carbon monoxide and sulfur oxides. Some are toxins; some are carcinogens; some cause respiratory diseases; and some are irritants which can make the lung more susceptible to infection or carcinogens.

The epidemiological part of the study will be designed to detect acute and chronic health effects, and to ensure that the existing standards, work practices and controls are adequate. Already, a retrospective analysis has begun of existing medical data on employees who have worked at the

plant for ten years. The medical records are extensive, including results of annual medical examinations, clinical notes on causes of sick leave, and medical causes for transfers and terminations. Based on results of the retrospective analysis, prospective studies will be performed on all gasification workers, with appropriate control groups.

During the week-long program review at Brookhaven, the Yugoslavian delegation discussed clinical studies, epidemiological studies, industrial hygiene, and sampling and analysis with BNL staff, Los Alamos Lab staff, and officials from DOE, EPA and NIOSH, the agencies providing U.S. funds for the joint program.

Through an interpreter, Husamedian Azemi, Deputy General Director of Combine Kosovo, summed up the thrust of the cooperative effort with this comment: "Joint projects are very useful, but this one has a much larger significance. It is a deeply humane project. Since we cannot stop the advancement of technology, it is upon us to protect our own health and preserve our environment."

BNL/Suffolk Co. Radiation Workshop

About 85 members of Suffolk County ambulance corps, fire departments and hospital emergency rooms came to Brookhaven on Saturday, October 9 to learn something about radiation. The all-day workshop on "Patient Care at a Radiation Incident" was held in cooperation with the Division of Emergency Medical Services of the Suffolk County Department of Health Services.

The workshop was organized by Frank Marotta of the Safety & Environmental Protection Division and Arnold Becker of Suffolk County Health Services. Marotta was an instructor at the workshop as were other S&EP staff, Charles Flood, Nate Carter and Michael Carroll. Dr. Maury Goldberg of Southside Hospital, and himself a volunteer fireman, spoke on radiation in general and how it is used in medical diagnosis and treatment.

Suffolk County Legislator John C. Wehrenberg attended the proceedings, and representatives from the Suffolk County Fire Advisory Board and Suffolk County Police Department participated in the workshop.

National Labs (Continued)

Q: Are these DOE missions interpreted differently according to the political climate?

A: When I first went to Washington, it was before the 1980 elections, so both the existing and planned budgets were Carter budgets, with conservation, fossil fuel, solar and other areas supported. By the time I left, those programs were almost all gone. A main reason for strategic planning is to make some sensible decision on what you are going to fund and where you will do the work. The institutional planning structure is an attempt to improve this decision process. However, the perturbation resulting from the 1980 election was so great that the very nature of many of the laboratories was modified. I'm convinced that real strategic planning requires multi-year funding as opposed to the annual financial plans with which we now operate. Some cushioning is needed to maintain continuity during periods of severe shocks.

Q: Are the labs undergoing unusual scrutiny right now?

A: The labs have always been a subject for investigation. Now because of funding and philosophical changes, more people are looking at them and the looks are harder. Recent studies include one by a committee of DOE's Energy Research Advisory Board; one by the President's Office of Science and Technology as part of a study of all Federal labs; one by the Government Accounting Office examining payroll, procurement and property management; and, at the request of the President, a study by the private sector of all government activities.

Q: What is the purpose of all this evaluation?

A: To make the whole system more efficient and accountable—to protect the interests of the laboratories when there is conflict with sponsors, and to protect the interests of sponsors when there are conflicts between laboratories. Also, to provide assurance that the laboratories are being operated efficiently. Unfortunately, few of the studies are really concerned with the important question—that is, the nature and quality of the research.

Q: What is your prognosis for Brookhaven?

A: Brookhaven has some major research facilities which make it unique, for instance, the Light Source, the HFBR, the AGS and, in the future, a colliding beam accelerator. Brookhaven also has a historical relationship with universities who use these facilities. Certainly, BNL will continue to play a role as a user facility and, consequently, as a leading research institution. There are other programs at BNL that are well established and will continue, such as nuclear safety. Finally, although growth will be limited and there may even be some contraction, the basic energy science programs will be viable as long as the Laboratory continues to be a superior performer. In the more distant future, I believe that, at some point, it will be recognized that the government has a role in improving productivity by performing research in the economical use of poorer quality energy and material resources, to replace the high quality resources that are being exhausted. Then, BNL's people and facilities will be called upon to meet this national need.

Marcuse Heads Tech Transfer

William Marcuse has been named head of the Office of Research and Technology Applications (ORTA). The office was recently created in response to the Stevenson-Wylder Technology Innovation Act of 1980, which requires all federally-funded research labs to set up such an office to promote "transfer of federally owned or originated technology to State and local governments and to the private sector."

The BNL office will be responsible for identifying Lab research with

potential application, disseminating information about that research and assisting in the transfer of that knowledge.

Marcuse will work closely with Margaret Bogosian, BNL patent attorney, and representatives from each department. Eventually, he plans to touch base with every principal investigator on site.

Marcuse can be reached at Ext. 2103, Bldg. 130, and he would appreciate being contacted by anyone working on a project ripe for development.

ERAB Report

A copy of the Final Report of the Multiprogram Laboratory Panel to the Energy Research Advisory Board is available for reading in the reference section of the Research Library, Building 477. The report responds to the Department of Energy's request for "a comprehensive study that will help shape the future of the Department's multiprogram laboratories."

Arrivals & Departures

Arrivals

Michael D. Anerella . . . Accelerator
Yuri L. Elisman . . . Accelerator
William E. Frieze . . . Physics
Malcolm J. Hawkesford . . . Biology
Helena M. Keeley . . . Tech. Info.
Carol R. Kempf . . . Nuclear Energy
Joseph Murray . . . Plant Engrg.
Carol A. Sokolow . . . Ph. & Gr. Arts
Olav Steinsvoll . . . Physics
Malcolm J. Hawkesford . . . Biology

Departures

This list includes all employees who have terminated from the Laboratory, including retirees:
Chi-Wen F. Cheng . . . Chemistry
Robert P. Gergley . . . Energy & Env.

Lecture Reminder

Physicist Stephen Shapiro will give a Brookhaven Lecture on Wednesday, October 27 at 8 p.m. in Berkner Hall. His topic is "Spin Glasses: A Physicist's Frustration."

Garden Clean-Up

Do you want to reduce the potential for insect and disease problems in next year's garden? The Cooperative Extension Association of Suffolk County says your actions this fall can save you a lot of trouble next spring.

The first step is to clean up plant debris. In your vegetable garden, cucumber beetles, squash bugs, Colorado potato beetles and European corn borers pass the winter in this material. Get rid of it—and most of them—by raking and bagging the debris, or burning it and plowing it under.

The flower garden should have the same treatment. In addition, to minimize the occurrence of black spot on roses, prune and remove infected clippings. Avoid using those clippings in a winter mulch, as the disease will carry over until next year.

In the home orchard, rake fallen fruits and leaves regularly throughout the season to interrupt the life cycle of the apple maggot, the biggest nuisance of home-grown apples. This will also reduce the amount of apple scab, a fungus disease that affects apples, crabapples and mountain ash, as well as leafspot, which affects elm, hawthorn, and horse chestnut.

While tossing plant debris on a rubbish pile will not destroy disease organisms, composting will. If the infected plant materials are to be composted, be sure your compost heap is an active one.

BROOKHAVEN
BULLETIN

Published weekly
for the employees of
BROOKHAVEN NATIONAL LABORATORY

BERNICE PETERSEN, Editor
MONA S. ROWE, Assistant Editor
ANITA COHEN, Reporter

35 BROOKHAVEN AVE., UPTON, N.Y. 11973
Telephone (516)282-2345

IBEW Meeting

Local 2230, IBEW, will hold its regular monthly meeting on October 28 at 6 p.m. in the Knights of Columbus Hall, Railroad Ave., Patchogue. There will also be an afternoon meeting at 2 p.m. for shift workers in the Union office at 31 Oak Street, Patchogue. On the agenda will be regular business, committee reports and the president's report.

CREF Values

September	45.89	October	47.61
November	49.61	December	48.33
January	47.49	February	44.88
March	44.48	April	46.32
May	44.53	June	43.34
July	\$42.41	August	\$47.05
September \$47.32			

Cooking Exchange

"I Love Long Island" will be the theme of the next meeting of the Cooking Exchange on Wednesday, October 27. Among the Long Island specialties to be demonstrated will be mussels, baked clams, beach plum jelly, rose hip jam, cauliflower soup and, of course, a potato dish.

The Cooking Exchange is open to all BNL employees and their families. Meetings are held on the second and fourth Wednesdays of each month from 12:30 to 2:30 p.m. at the Recreation Bldg. For the \$1.00 admission fee, those present receive copies of the recipes prepared and a sample of each dish along with coffee and tea. Babysitting is provided at 50¢ per child.

For more information, call Nancy Nagy, 924-8160, or Adrienne Usher, 289-7658.

Mountain Club

There will be a fall planning meeting of the Mountain and Canoe Club at 12:15 p.m., Wednesday, October 27, in room A of Berkner Hall. All are invited.

Bowling

White League

High games were bowled by J. Griffin 234/208/244 for a 686 scratch series, D. Adams 232, N. Tyler 224, K. Conkling 212, S. Smith 187, P. Manzella 181, M. Scheidet 173, S. Long 161.

Pink League

K. McNally rolled a 166, E. Kristiansen 166, H. Keeley 170/175, D. Johnson 200, K. Kissel 162.

Purple League

C. MacDougall had games of 188/191/192 for a 571 scratch series, R. Bergoffen 224, L. Musso 211, G. Spira 208/565 series, E. Meier 203/570 series. J. Pinelli converted the 4/7/9/10, L. Wasson the 5/10 and P. Wasson the 5/8/10 split.

Red & Green League

R. Larsen bowled 220/224, R. Jones 225, J. Petro 214, J. Connelly 212, E. Sperry 204, J. Morris 204, N. Tyler 203, T. Holmquist 202, K. Asselta 201, J. Carroll 200.

On The Aisle

With "The Odd Couple" having been shown both on several occasions in our local area and as a popular television series, we now see Oscar and Felix not as an odd couple, but rather as a familiar twosome. However, familiarity has been known to generate boredom.

The engaging Neil Simon plot and lines can, almost by themselves, save an audience from boredom, but to ensure a successful production the cast must bring a new interpretation to the characters being played. In the current BERA production, this was accomplished by changing the emphasis usually given to the leading characters.

Bill Love has chosen to underplay the role of Oscar, not quite as disorganized and untidy as we usually see him. Oscar, as we see him in this production, does not compete with Felix in a display of oddity, but rather as a foil for his recently estranged friend.

Bob Kinsey, as Felix, gives one of his best performances seen at Brookhaven. He acts with assurance and consistency to give the audience a rapport with a human being who is far more than a fastidious prig.

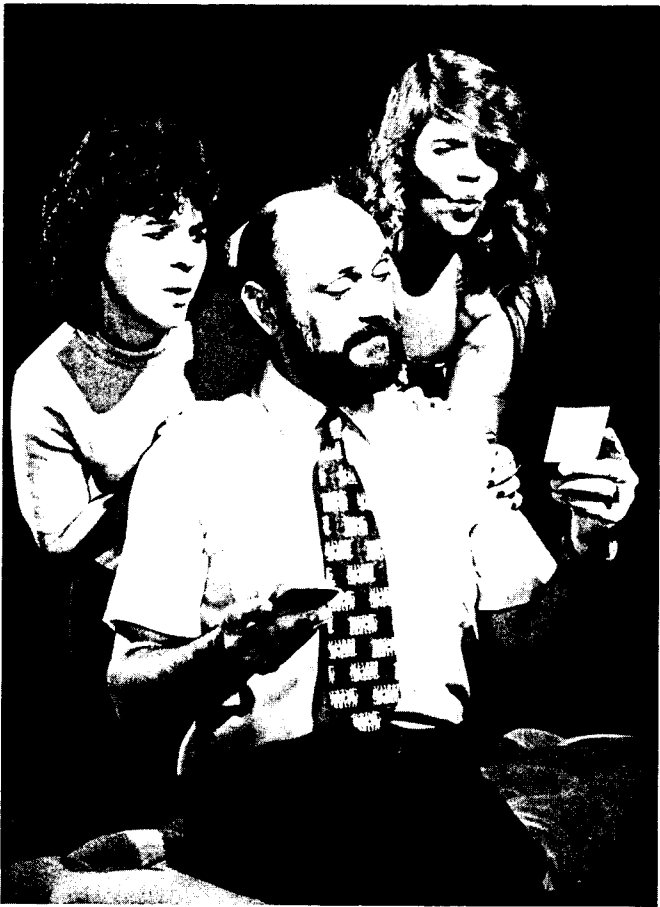
The supporting cast provides easy-going and smooth performances with Wes Springhorn as Murray holding the best hand and playing all his cards perfectly. The amusing and always anticipated scene with the Pidgeon sisters was unevenly paced in spite of the good performances by Sandi Lane and Roseanne Melucci.

Technically, the production matched the quality of the acting. The well-lighted and pleasingly designed set contributed to the high standard achieved by all who produced the show.

Playgoers who have seen "The Odd Couple" before should not hesitate in seeing it one more time as done by the BERA Theater Group. For those who have not seen this amusing comedy, this is a show not to be missed.

Stage lights go up at 8:30 p.m. on Friday and Saturday, October 22 and 23, in Berkner Hall. Tickets will be available at the door at \$4 for general admission, \$3 for those over 65 and under 18.

- John Binnington



Roseanne Melucci (left) and Sandi Lane, the Pidgeon sisters, fawn over Bob Kinsey, Felix, in the current Theater Group production of Neil Simon's "The Odd Couple."

Potato Festival

The Long Island potato — everybody's heard of it, everybody's eaten it, and now, everybody can celebrate it, at the 2nd annual Long Island Potato Fest on Sunday, October 24 from 10 a.m.-3 p.m. at the Suffolk County Farm and Education Center in Yaphank.

The festival, for which there is no admission charge, is being presented by the Cooperative Extension Association of Suffolk County, along with a number of allied organizations. As part of the Long Island Fall Festival, the day will celebrate this year's potato harvest and spotlight the importance of potato farming on Long Island.

Activities and entertainment for the entire family are planned throughout the day. Traditional folk music will

be performed by a group called "Paddy Doyle's Boots." Jazz and brass ensembles from the Eastern Suffolk School of Music will also entertain.

A highlight of the day's events will be the Potato Recipe Contest. In addition, the Fest will feature:

- a wide variety of refreshments, including free cooked Long Island potatoes.
- free blood pressure screening.
- demonstrations of the Cooperative Extension's consumer service.
- computerized diet analysis.
- a tour of the Suffolk County Farm and Education Center
- "spud sports," a series of competitive activities using a potato or potato sack.

In case of inclement weather, the festivities will be moved inside the large building complex. Ample parking is available.

Tickets Available

New York Islanders Home Games:

Ticket Price — \$16.00

Tue. Oct. 26	Calgary
Tue. Nov. 2	Pittsburgh
Thu. Dec. 23	Washington
Tue. Jan. 4	Buffalo
Tue. Jan. 11	Winnipeg
Tue. Jan. 18	Hartford
Thu. Feb. 10	Washington
Sat. Feb. 12	Hartford
Thu. Feb. 17	Pittsburgh
Tue. Feb. 22	Winnipeg
Sat. Feb. 26	Detroit
Thu. Mar. 3	Toronto

Metropolitan Opera:

Ticket Prices - Tue. & Thu. (Eve.) \$11.50
Fri. & Sat. (Eve.) \$12.50

Fri. Oct. 22	La Gioconda
Fri. Nov. 5	Lucia di Lammermoor
Tue. Nov. 16	Idomeneo
Tue. Dec. 14	Parade
Tue. Jan. 18	Pelleas et Melisande
Fri. Jan. 21	Les Contes d'Hoffmann
Sat. Jan. 22	Adriana Lecouvreur
Fri. Feb. 4	La Boheme
Sat. Feb. 12	La Boheme
Tue. Feb. 15	Les Contes d'Hoffmann

Also available at the BERA Sales Office are Magic Kingdom Club membership cards which are distributed at no cost to our employees. These cards provide discounts at Disneyland in California and Disney World (including the new Epcot Center) in Florida.

The Sales Office is located in Berkner Hall and is open from 9 a.m. to 1 p.m., Monday through Friday.

Volleyball

There will be a referees' clinic on October 25 at 5:30 p.m. for the Mixed League and on October 27 at 5:30 p.m. for the Open League. Anyone who is planning to be a referee must attend these clinics. Anyone interested in joining a team please contact Bob Marascia, Ext. 4672.

Party Next Week

Get your costume ready for the Halloween party sponsored by the Afro-American Culture Club on Friday, October 29 at 9 p.m. in the Recreation Bldg. Everyone is invited. Admission is free. There will be a free buffet, cash bar, games, contest, lots of dancing and "E.T." will be on the phones.

Club members and would-be members are asked to attend a meeting on Tuesday, October 26 at noon in room A, Berkner Hall to make final preparations for the party.

Cafeteria Menu

Week Ending October 29, 1982

Monday, October 25

Chicken noodle soup	(cup) .65
	(bowl) .75
Roasted turkey w/cornbread dressing	1.95
Eggplant Parmesan & 1 veg.	1.85
Hot Deli: Hot pastrami	(bread) 1.85
	(roll) 1.95

Tuesday, October 26

Fresh vegetable soup	(cup) .65
	(bowl) .75
Pot roast of beef & 1 veg.	2.00
Spaghetti and sausage	1.90
Hot Deli: Knockwurst & kraut	(bread) 1.85
	(roll) 1.95

Wednesday, October 27

Potato leek soup	(cup) .65
	(bowl) .75
Veal scallopini & 1 veg.	1.85
Tuna noodle casserole	1.80
Hot Deli: Tacos	1.75

Thursday, October 28

Chicken okra Creole	(cup) .65
	(bowl) .75
Braised beef and vegetables on rice pilaf	1.95
Quiche Lorraine & 1 veg.	1.80
Hot Deli: Top round of beef	(bread) 1.95
	(roll) 2.05

Friday, October 29

New England clam chowder	(cup) .65
	(bowl) .75
Shrimp, fries, and cole slaw	2.10
Turkey à la king on white rice	1.85
Hot Deli: BBQ fresh ham	(bread) 1.85
	(roll) 1.95

Classified Advertisements

Placement Notices

The Laboratory's placement policy is to select the best-qualified candidate for an available position, with consideration given to candidates in the following order of priority: (1) present employees within the department, with preference to those within the immediate work group; (2) present employees within the Laboratory as a whole; and (3) outside applicants. In keeping with the Affirmative Action plan, selection decisions are made without regard to age, race, color, religion, national origin, sex, handicap or veteran status.

Each week, the Personnel Office lists new personnel placement requisitions. The purpose of these listings is, first, to provide open placement information on all non-scientific staff positions; second, to give employees an opportunity to request consideration for themselves through Personnel; and, finally, for general recruiting purposes. Because of the priority preference policy stated above, each listing does not necessarily represent an opportunity for all candidates. As a guide to readers, the listings are grouped according to the anticipated area of recruitment.

Except when operational needs require otherwise, positions will remain open for one week following publication date.

For further information regarding a placement listing, contact the Personnel Placement Supervisor, Ext. 2882.

The vacancies listed below have been exempted by the Director's Office from the current freeze on open requisitions.

LABORATORY RECRUITMENT: Opportunities for present Laboratory employees.

1779. BIOLOGY ASSOCIATE - Requires BS in biology or equivalent. Duties will include media preparation and sterility testing, routine subcultivation of cell strains and cell survival of colony formation following physical and chemical treatments. Biology Department.

1780. ADMINISTRATIVE POSITION - To manage department chairman's office and coordinate departmental secretarial services. Will administer scientific staff appointment procedures and function as general administrative assistant to chairman. Requires excellent writing skills and a thorough knowledge of all phases of Laboratory policies and procedures, including standards for the production of scientific reports. The ability to function independently is required. Applicants for this position should have a minimum of five years' progressively more responsible administrative and secretarial experience at the Laboratory. Supervisory experience desirable. Physics Department.

1781. SECRETARIAL POSITION - Requires AAS degree or equivalent experience. Responsibilities include all aspects of processing security clearance forms. Candidate will work at Police Headquarters and must be extremely accurate and have the ability to work independently. Safety & Environmental Protection Division.

1782. SECRETARIAL POSITION - Requires AAS degree or equivalent experience. Candidate must have knowledge of general office procedures and the ability to take shorthand. Contracts and Procurement Division.

OPEN RECRUITMENT: Opportunities for present Laboratory employees and outside applicants.

1783. FABRICATION ASSISTANT - Requires a working knowledge of machining, welding, sheet metal fabrication and a thorough knowledge of materials. Individual will prepare job orders for fabrication, materials and shops supply orders and numerical controlled machine tool programs. Central Shops Division.

1784. METAL WORKER MAINTENANCE A - Requires five years' experience in the layout, preparation, assembly and installation of a variety of plant maintenance equipment. Requires brazing, welding and silver soldering experience. Plant Engineering Division.

1785. EXPERIMENTAL MACHINIST - Requires experience in job print interpretation, layout, and machine set-up. Candidates must demonstrate ability and imagination in all phases of machine work. Will function as all-round machinist for non-production work in research and development shop. Project assignments range from raw material work in research to final assembly. Central Shop Division.

1786. PATROL OFFICER - Requires AAS in criminal justice or equivalent experience performing diverse security duties for a large organization. Excellent communication skills are necessary as well as ability to work shifts. Will participate in comprehensive training program in order to become knowledgeable of site and police procedures. Safety and Environmental Protection Division.

Autos & Auto Supplies

75 TRIUMPH - TR6, good cond., \$3,000. Ext. 5053 or 472-1735 after 6 p.m.

79 HONDA HAWK - motorcycle, 400cc, better than new, asking \$995. 588-0805 eves.

81 HONDA - 750K, blk windshield, sissy bar, crash bars, \$1,650. Jim, 467 8814.

CAR RADIO - am/fm, push button, \$25. Stan, Ext. 2605.

80 SUZUKI - GS100L, custom seats, luggage rack, many extras, mint, \$2,700. Ext. 7187, 981-9474.

74 CAMARO - auto, a/c, p/s, new paint, new tires, new exhaust sys., many extras, mint cond., \$3,000. 281-6627.

80 CUTLASS L.S. - auto, p/s, a/c, cruise, tilt wheel, am/fm, excel., asking \$5,600. 924-7489 eves.

TIRE RACK - for Blazer rear seat. 265-1072.

72 VOLVO - 145, blue, a/t, radio, good cond., \$1,800. Bob, Ext. 4965, 289 1834.

80 FORD FIESTA - low mileage, excel. cond., sun-roof, tape deck, \$4,500; 81 Toyota Corolla, 2 dr., 2/c, p/s, tape deck, excel. cond., \$6,000. Ext. 3597.

1956 FORD TRUCK - F-100 & parts; 1974 Camaro parts; 1968 GTO parts, must sell, cheap. Don or Fred Paffrath, 499-1214.

65 CHEVY IMPALA - runs, needs, muffler, seat covers & paint, \$150 or best offer. Dick, Ext. 2911.

75 HONDA CIVIC - CVCC, hatchback, \$1,850. Joe, 744-4086.

78 CAMARO LT - 37,000 mi, new cond, mags, 350V8, p/s, p/b, a/t, a/c, am/fm tape, pin stripes, sacrifice, \$4,850. 473-2473.

77 PONTIAC VENTURA - excel. cond., green 2 dr., V6, p/s, p/b, a/t, a/c, am/fm stereo w/cassette. Ext. 3580 or 3639.

79 HONDA - CM400T, 2,000 mi., garaged, must sell, \$1,000. Ext. 7125.

80 MAZDA SPORT PICKUP - immaculate, stereo w/tape, 22,000 mi., 26 mpg local, 40 mpg hwy., cap. 727-7741.

HITCH - 2,000 lb. capacity, factory installed, for Chevy-GMC Blazer or Suburban, \$20. Richie, Ext. 2175 or 734-7342.

80 HONDA ACCORD - brown, excel. cond., \$5,300. 929-4268 after 5.

70 DODGE WAGON - Coronet, 72,000 mi., 4 steel radials, new muffler, \$500. Tony, Ext. 3658 or 3637.

72 GRAN TORINO - wagon, 351 Cleveland V-8, a/t, a/c, \$625. Ed, Ext. 4447 or 821-1783.

70 VW BUG - runs, needs work, good for parts, asking \$250. Kevin, Ext. 2211 or 473-0961.

76 MONTE CARLO - white, red landau, p/s, p/b, p/w, very good cond., asking \$3,000. 924-8817.

HUB CAPS - (4) Cadillac, \$30; (4) Chevy, \$20; (4) Toyota, \$10. Harry Syers, Ext. 4173 or 567-5947.

56 FORD TRUCK F-100 - and parts; 1974 Camaro parts; 1968 GTO parts, must sell, cheap. Don or Fred Paffrath, 499-1214.

69 FIREBIRD COVERTIBLE - p/s, new clutch, brakes, ball joints, top mags and tires, very good, \$2,500. Scott, 399-1157 or 281-1862.

TIRES - (4) radial, LR7815, plus rims, balanced and mounted, \$75. Harry Syers, Ext. 4173 or 567-5947.

TIRES - (4) radial, Toyo-217, steel belted, 145SR13, good cond., \$75 or best offer. Ext. 2830 or 435-0487 eves.

TIRES - (2) radial, P205/75R15, good cond., \$20 ea. Doreen, Ext. 2456.

79 HONDA DIRT BIKE - model 250R, 50cc, excel. cond., must sell. 878-0516.

AM/FM RADIO - in dash with tape, new \$30. 928-0281 eves.

75 TOYOTA COROLLA - wagon, a/c, stereo, good cond., Ext. 2475 or 751-4539.

76 CHEVETTE - auto., price negotiable. Gabriel, Ext. 3817 or 878-9520.

73 PLYMOUTH - 4 dr. sedan, auto, a/c, new tires. Ext. 3036 or 427-0768 after 6 p.m.

SNOW TIRES - 4 ply polyester, E78-14, used one season, w/w, excel. cond., \$50. Bob, Ext. 4551 or 475-3612 eves.

78 HONDA - 550, excel. cond., all weather tires, low mi., \$1,350. 698-3164.

80 HONDA HAWK - crashed, engine and frame intact, needs lights, rank, throttle, asking \$575. Gary, 473-2473.

74 VW BUG - mint cond., must see, \$1,995. Gerry, 588-4743.

80 HORNET - 11-1/2 truck camper, 3-way refrig., extra holding tank, shower and lav., sleeps 6, like new, list \$6,500, sell for \$4,900. 473-9137 after 5.

77 AMC HORNET - hatchback, p/s, p/b, a/t, a/c, radio, \$950. Leo, Ext. 4615 or 924-3928.

79 PLYMOUTH HORIZON - excel. cond., a/t, radio, std., spare, \$3,100. Leo, Ext. 4615 or 924-3928.

69 VW - body fair, new brakes, engine rebuilt, needs muffler, \$375. Ext. 4249.

69 CHEVY IMPALA - rebuilt engine., 4 new radials, p/s, no rust, new paint, mint, \$1,000. Kenny, 878-1698.

79 FIREBIRD - blue, good running cond., asking \$1,000. Kathy, Ext. 3217.

70 RIVIERA CLASSIC - excel. cond. in & out, rebuilt eng., new exhaust, new brakes all around, new front end parts, p/b, p/s, p/w, a/c, tilt steering, power seats and new plush carpet, very good tires, new shocks, \$1,900. 878-1688 eves.

71 CAPRI - runs, high mi., new tires and ignition parts, \$200. 878-0175 after 5.

Boats & Marine Supplies

KAYAK - fiberglass, with airbags & paddle, \$180. Ext. 2521 or 928-8379 eves.

16' BOAT - fiberglass seats 5, 65 HP Merc., needs water pump, clean. Jack Dunn, Ext. 4613.

12' BOAT - aluminum, 7 HP Eska motor, trailer, anchor, etc., \$850. Vinnie, 744-9429.

16' SILVERLINE - 65 HP Merc. engine, equipped w/trailer, \$1,200. Ext. 2500 or 661-6078.

16' CLAM BOAT - Combs Garcey, very good cond., \$375. 286-0795.

25' SLOOP - Gaff Rigged, centerboard, wheel, 4 cyl. inboard, new sails, \$5,900. Ray, 728-3124.

DANFORTH BOAT ANCHOR - to 20, \$20. John, Ext. 4312.

20' O'DAY - 1978, 3 sails, engine avail. for test sale, \$7,699. 289-0925.

Free

PLAYPEN - and highchair. Mona, Ext. 2347.

DOG - medium sized, affectionate with people not cats, needs loving home. Lois, Ext. 2959 or 751-0023.

DISHWASHER - Joe, 472-4196.

Yard Sales

MASTIC - must see, 231 Patchogue Ave., off Mastic Rd., Fri.-Sun., exercise bike, clothes, etc. 399-0864.

PORT JEFFERSON STATION - multi-family, Oct. 16, rain date Oct. 17, 68 Central, between 112 & Canal, furniture, & household. 473-5864.

MANORVILLE - Oct. 16, 90 Dayton Ave., 5 mi. from Lab, assorted household goods. 878-2655.

Miscellaneous

ATARI CARTRIDGES - Ice Hockey and Trickshot, reasonable. 744-8063 days.

15" COLOR TV - new picture tube & tuner, 3 yr. warranty, \$150; Whirlpool upright freezer, 20 cu. ft., 5½ yrs. old, asking \$250. 751-6418.

ELECTRIC GUITAR - Kramer, DMZ-2000, case, excel. cond., oak color, alum. neck, asking \$325. Ext. 2314 or 369-2414.

ARM CHAIRS - (3), 2 high back, red velvet; 1 gold, \$85 ea; slate pool table, rack & balls w/numbers, \$190; large lamp, \$50; lamp table, \$25; Mediterranean double bed & dresser, \$300; Lawry organ, 13 bass foot pedal w/bench, mint cond., \$850. Joe, 744-4086.

BICYCLES - (6), old but O.K.; men's 26", girl's banana seats, \$20-30. Ext. 2226 or 331-3445.

BOY'S SKI JACKET - size 10, good cond., \$10; dog's bed, \$5. Susan, Ext. 4267.

BALED HAY - for mulch. Ext. 3841 or 286-9450.

CASSETTE TAPES - BASF, ProII, blank, CrO₂, C-90, \$2.75 ea. Ext. 2521 or 928-8379 eves.

IRONING BOARD - new, \$10; new car or van roof rack, chrome, \$35; 50' heavy tow chain; 25' cable chain, 2 hooks, gear, reducer, \$25. 732-3338.

MAPLE TREES - you dig. Walt, Ext. 7154.

ORGAN - electronic, transistorized, double keyboard, foot pedals, many settings, old but works, \$150 or best offer. Dick, Ext. 2911.

CALCULATORS - \$8 ea.; pen watches, \$5 ea.; Quartz desk clocks, \$7.50 ea. Pete, Ext. 3516 or 399-2813 after 5 p.m.

SOFA BED - queen size like new, Colonial-Castro type mechanism, \$425. Vivian, 744-9429.

FREEZER - upright, self defrost, \$175. 475-2989.

FISH TANK - 55 gal., fully equipped, stand, filter, hood, pump, gravel, \$100. Ext. 7187 or 981-9474.

PROPANE CYLINDER - 100 lb., 1/2 full, \$50. Ext. 4510.

FIREPLACE SCREEN - w/andirons, 38" w x 31" h, \$12. Bill, Ext. 2906 or 929 6189.

PEREGO CARRIAGE - brown velour with wicker trim, basket, like new, \$50. John, Ext. 4126 or 399-2434.

COFFEE WARMER - and server, pewter and tin, very attractive, \$20; Remington portable typewriter, \$15. 589-5126.

CASTRO CONVERTIBLE - with machine recliner, gold crush velvet, immaculate, \$400 set. 878-2421.

DOUBLE BED - bookcase; headboard; dinette set; couch; tiffany style lamp; Garrard turntable; upholstered chair. 744-6874.

DESKS - 3 with attached swivel seats, excel. cond., \$35 ea. Vince, Ext. 4660.

PUPPIES - English Cocker, born 9/26/82, ready for christmas, 1 male, 1 female, blue roan, black and white, champion, 4 show bloodlines. 286-1662 eves.

LIVING ROOM SET - 3 piece, modern, gold color, like new, \$210; king size firm mattress, new, \$25. 589-2681.

OAK DESK - Ext. 3597.

ROUND TRIP DOMESTIC TICKET - Northwest Orient, unrestricted, including Hawaii, Alaska, issued in your name, must use by 12/15/82, was \$1,193, sell for \$400. Valerie, 473-6546.

COLOR TV - Sylvania, 19", excel. picture, \$90. Richie, Ext. 2175 or 734-7342.

SPEAKERS - Fisher MS127, 30 watt, 40-20 hz, brand new, \$99.95; Jiffy Jr. 3 cu. ft. shredder-/mulcher, with 1/2 HP motor and stand, \$75. Bob, Ext. 4551 or 475-3612 eves.

COMPONENT STEREO SYSTEMS - Soundesign, am/fm 8 track, play, rec., 2 speakers, turntable, needs work, \$100; Panasonic, auto turntable, am/fm 8 track player, 2 Panasonic Taruster speakers, good cond., \$105; Panasonic 8 track stereo play/rec. deck, L&K channel level controls and more, mint cond., \$95. Lew, Ext. 5193 or 928-4863.

WIDE ANGLE LENS - Vivitar with Minolta mount, 28/1:28, haze filter, almost new. Schauer, Ext. 7757.

OIL TANK - 250 gal., \$25. 585-8809 eves.

DINING ROOM - Haywood Wake Field, blonde oak, table, 6 chairs, china, buffet, \$275. 281-8044.

REFRIGERATOR - 1.7 cu. ft., deluxe, walnut finish, temp. selector, new. Zhou, Ext. 4343 or 2520 after 6 p.m.

CAMERA - Olympus 10, mint, case, strap, flash, \$225. 281-8367.

FIREWOOD - seasoned pine, 1/3 cord, \$35, to be picked up. Ext. 3890 or 924-4250.

LADIES BIKE - Ross Gran Tour II, 10 spd., lightweight, new, asking \$160. Ext: 3890 or 924-4250.

COMFORTE COAL WOOD STOVE - with coal grill, ash drawer, orig. \$750, asking \$500. 744-5478.

GENTLE LADY GLIDER - with remote controls, never used, seryos included, \$75. 821-1525.

REFRIGERATOR - 17.5 cu. ft., white, large bottom freezer, excel. cond., \$250. 273-5574 after 5 p.m. weekdays.

KEROSENE HEATERS - Radiant King, factory-sealed cartons, guaranteed, discount prices. Jim, 924-7665 eves.

ATARI GAME - like new, must see. 878-0516.

POOL TABLE - 7 ft., slate board, cover and accessories, \$85. John, Ext. 2417.

TICKETS - Metro. Opera, Ballo Meschera, Nov. 6., Macbeth, Dec. 4, \$12.50, evening performances. Ext. 3817 or 878-9520.

WEIGHT BENCH - one position, 11# weight set, incl. 2 dumbbells, one barbell. Stacey, 3296.

SKI PANTS - mens, 34R, dark blue, stretch, never worn, \$85. Ext. 4727.

CANNING JARS - glass top, qts.; coat. Ext. 2950.

COAL WOOD STOVE - Sears, 5,000 BTU, used one season, excel. cond., \$200. Dick, Ext. 3499 or 589-9103.

REFRIGERATOR/FREEZER - G.E., 14', \$175; gas-/range, Tappan, 30", 150, both white, excel. Chris, Ext. 4572 or 265-0163 after 5:30.

FREEZER - \$75; refrigerator, \$75; gas range, warmer shelf, \$50; hood, \$25. Joe, 472-4196.

SPEAKERS - (2) Jensen, 15", 43 oz., Bass Guiters, in cabinet, \$175 for both; 20 guiter amps., 50 and 100 watts, reverd, not all complete, some need parts, \$100 for all. Al, Ext. 3992.

COAL STOVE - Dare IV, top of line, fireplace insert, 90,000 BTU, used one season, cut made 3 ton bin, 2 tons reading coal, paid \$1,725, complete package for only \$975. 654-5888.

FRUIT SALE - Oceanography Explorers, ruby red grapefruits, \$8.25; Texasweet oranges, \$9.25, order by Oct. 27. Terry, Ext. 2945.

MANS BIKE - Fuji Del-Rey, 12 spd., never used, extras, \$325 new sell for \$245. John, Ext. 4255 or 929-4450.

PORTABLE DRYER - Sears Best, 4 yrs. old., \$100 or best offer; sofa, sturdy, needs cover. Jeff, Ext. 3296 or 744-8474.

G.E. DOUBLE OVEN - and range top, Sensi-Temp. burner, pink, \$20 or best offer. Sue, Ext. 3675.

WOOD COAL STOVE - Efel Fireview, early american decor, also bonus coal, extra glass, \$195. Ext. 4255 or 929-4450.

WASHING MACHINE - needs minor work, \$10; dryer, \$40. Ext. 5334.

TV'S - Magnavox, color, 19", \$100; black and white, 23", \$20. Luciano, Ext. 7539.

LAND HERMIT CRABS - \$1 ea.; fir & spruce evergreens, 2 for \$7, u-dig, 20" to 48". 878-6637.

LADY'S SUIT - emerald green, wood garbadine, size 10, \$50; all-weather coat, green gabardine, zip-in lining, size 14, \$35, both excel. cond.; Johnson Bros. beige/brown dishes, almost new, service for 8, \$40. 475-4005.

FIREWOOD - 4'x4'x8', 100% hard wood, split and delivered, \$115 cord. Harold, 467-8976.

REMINGTON PORTABLE TYPEWRITER - and case, \$17. Jerome, Ext. 4377 or 3017.

Real Estate

Real Estate advertised for sale or rent is available without regard for the race, color, creed or national origin of the applicant.

For Sale

STRATHMORE RIDGE - 3 bdrm., 1-1/2 bath, l/r, d/r, oak floor, wood burning stove, all appl., central air, patio, 5 min to Lab. 924-4070.

NORTH SHIRLEY - colonial, 5 bdrms., 1-1/2 baths, eik, l/r, d/r, den, w/w, 1/2 acre, prof. landscaped, 8 minutes to BNL. \$65,900. 924-5816.

WEST ISLIP - waterfront, 4 bdrm., 2-1/2 bath, woodburning stove, 2 fireplaces, l/r, cathedral ceiling, recreational room, enclosed patio, landscaped, quiet neighborhood, view of bay, excel. for sailors. 669-4216.

MEDFORD - Birchwood at Blue Ridge, condominium, 15 min. from Lab, 3 bdrms., many extras, facing golf-course, 50's. 698-7213.

WADING RIVER - custom built, 4 bdrm. colonial, 2 baths, d/r, den, f/p, 2 car garage, full basement, private beach. Ext. 7727 or 929-4631.

For Rent

VERMONT - 3 bdrm. house, f/p, fully equip., beautiful view, apple picking, foliage, alpine slide, woodland trails, x-country and downhill skiing, reasonable vacation, family oriented, avail. weekly or weekends. 732-6499 after 6 p.m.

HOLBROOK - 5 rm. apartment, 2nd floor, private entrance, 25 minutes from Lab, \$450 per mo. incl. utilities. Hildebrand, 588-5815.

MILLER PLACE - furnished studio apt., in barn overlooking Mt Sinai Harbor, full kitchen, d/r, bath, studio bedroom, avail. Nov. 15, \$450. 473-3777.

WADING RIVER - 4 bdrm. colonial, on 1 acre in SWR School District, low utilities, much space. 929-3023.