BROOKHAVEN BULLETIN
Vol. 41 - No. 30 July 31, 1987
BROOKHAVEN NATIONAL LABORATORY

Israel Tapped to Head Fiscal Division

Effective August 1, Mark O. Israel will be the Lab's Fiscal Officer and head of the Fiscal Division, it was announced earlier this month by Henry Grahn, Associate Director for Administration. Israel replaces Bernard McAlary, who recently became the Lab's Business Manager.

Observing that Israel has spent the last 13 years with Associated Universities, Inc. (AUI), on AUI's Internal Audit staff, Grahn noted, "His BNL experience on various audits has been extremely extensive, so that he has a working familiarity with most of the BNL accounting and budget systems.

"Mark has extensive knowledge of and interest in the implementation of computerized accounting and financial systems," continued Grahn. "This will be of significant benefit to BNL as we continue to move forward with plans to update segments of our Fiscal Division operations."

Israel himself sees the move from AUI to BNL as taking on "a slightly different perspective toward the same ultimate objective. We're all here for the accomplishment of science, and the overview I had in the AUI organization should add some insight to the function I'll be carrying out at BNL."

As Fiscal Officer, Israel will oversee the Fiscal Division's staff of about 30 people, who carry out the Lab's general accounting, accounts payable, payroll, accounts receivable and cashier functions. Fiscal coordinates, controls and processes the approximately $260 million expended by BNL each year, about 60% for salaries, wages and fringe benefits and 40% for materials, supplies, travel and communications costs.

"As an internal auditor," Israel said, "I was exposed to almost every aspect of BNL operations and their impact on the Laboratory's administrative policies, procedures and controls. Now, as we enter an era of exciting technological advancement, I look forward to working with the Fiscal Division's personnel in providing Laboratory managment with a professional service to meet their changing needs, and to working closely with other divisions and departments in achieving full implementation of such systems as IPAP and the proposed 3P system for payroll, personnel reporting and personnel forecasting.

A New York State Certified Public Accountant (CPA), Mark Israel holds both a BBA degree in accounting and an MBA degree in finance from Adelphi University. Before coming to AUI in 1974, he spent three years with a large CPA firm in Manhattan and three doing financial analysis at American Airlines.

At present, Israel is on the Tax Exempt Organizations Committee of the New York State Society of CPAs, past President and director of the Suffolk Chapter of the National Association of Accountants, and a member of the American Institute of Certified Public Accountants.

Mort Rosen

Mark Israel

Since 1981, Israel, who lives in Mt. Sinai with his wife Ronni and two children, has been on the Board of Directors and Finance Committee of Theatre Three in Port Jefferson.

Woodhead to Coordinate Women's Programs

Almost eight years ago, Gail Williams stepped into the role of Women's Programs Coordinator (WPC). Tomorrow she steps down, turning responsibility for the program over to Avril Woodhead.

Woodhead will spend about one quarter of her time on the duties associated with being WPC, a function of the Director's Office. The rest of her time will continue to be divided between two areas: the Biology Department laboratory where, as an Associate Biologist, she conducts research on melanoma with Associate Director Richard Setlow; and her office in the Technical Information Division where she is Senior Editor, responsible for editing BNL scientific publications.

"I've got a couple of open doors," said Woodhead, "and I would like to encourage people to drop in whenever they want — preferably when problems are at an early stage, before they get overwhelming."

Addressing the individual, job-related problems of women through confidential counseling is an important aspect of the WPC's job, one of several avenues open to Lab employees experiencing difficulties with subjects ranging from promotions to personality conflicts. To help resolve the conflict, Woodhead may draw upon the expertise of others at BNL, including Earl Blanton, Assistant to the Director for Affirmative Action; Robert D'Angio, head of the Personnel Division; Michael Goldman, the Lab's legal counsel; and, of course, Gail Williams, Manager of the Office of Scientific Personnel.

Reflecting on her contributions during the past eight years, Williams said, "My initial reaction is that I haven't done half enough — there's such a lot to be done yet. Still, when I look around BNL, I see numerous women I have helped in some way in their professional lives, who have been affected in a positive way, and I know the program is valuable."

Woodhead concurs and credits Williams for "doing a wonderful job. I would like to follow in her caring tradition."

Mort Rosen

Avril Woodhead

In addition to counseling people in strict confidentiality, Woodhead plans to continue the WPC tradition of helping women advance their careers by running workshops for women entering science, in cooperation with Brookhaven Women in Science, and perhaps arranging for a series of lectures about job-related concerns, through the organization Federally Employed Women (see accompanying story).

Woodhead sees a continuing need for such women's programs because "though the Laboratory tries to encourage women, the overall climate in society and in science has not really changed."

Woodhead encourages BNL women to change these trends. "I would like to see more women apply for non-traditional jobs, try for apprenticeships when they are available and become carpenters, air conditioning technicians.

"Also, the Lab has a very good policy of educating people," she stressed,

(Continued on page 3)

Hughes Meets FEW in St. Louis

When the 18th National Training Program sponsored by Federally Employed Women (FEW) met in St. Louis two weeks ago, Paula Hughes was there as the Lab's representative. Hughes, a Senior Administrative Assistant with the Alternating Gradient Synchrotron (AGS) Department, was in St. Louis to learn. But, as she found, the learning was mutual.

Mort Rosen

Paula Hughes

The training program featured eight workshop categories, with a total of 164 topics from which attendees could choose to attend. Hughes chose workshops on "Maximizing Your Productivity Through Improved Time Management Skills," "Techniques of Internal Communications," "Success Strategies" and "Secretarial Survival."

The leader of the "Secretarial Survival" workshop, Hughes said, "liked some of the routines I've established at the Lab so much, she asked if she could use them in future workshops." Hughes agreed, as long as BNL gets the credit, so future attendees will share her ideas about "basic things people don't think about too often — setting up meetings, keeping track of the people in my group and following through on things."

Though BNL'ers are employees of Associated Universities, Inc., not the federal government, outgoing Women's Program Coordinator Gail Williams explained, "The FEW program is so broad and applicable to all women that we began to avail ourselves of it a few years ago and will continue to do so each year."

Like last year's representative

(Continued on page 2)

Celebrating 40 Years of Science

The many scientific achievements of BNL's first forty years will be celebrated September 9-11 at an Anniversary Symposium at the Lab. The symposium will feature six distinguished scientists who will survey developments in their fields: those that have taken place over the past 40 years and those that might be anticipated during the next 40 years . . . and beyond. The speakers and their topics will be:

- **Robert J. Birgeneau**, Massachusetts Institute of Technology, "Diffraction, Disorder and Dimensionality."
- **Sheldon L. Glashow**, Harvard University, "New Physics at Accessible Energies."
- **T.D. Lee**, Columbia University, "Symmetry Principles and Particle Physics."
- **Frederic Richards**, Yale University, "Approaches Through Physics, Chemistry and Biology to the Problem of Protein Folding."
- **Henry Taube**, Stanford University, "Understanding Electron Transfer in Chemical Reactions: Brookhaven Contributions."
- **Robert R. Wilson**, Cornell University, "Accelerators: The Past is Prologue?"

Other activities planned include:

- The dedication of the Alternating Gradient Synchrotron (AGS) complex in memory of the late Laboratory Director Leland J. Haworth, who headed BNL from 1948 to 1961 and who died in 1979.
- A groundbreaking ceremony for the AGS Accumulator-Booster, which will accelerate particles before they enter the AGS ring, greatly enhancing every aspect of the physics program at the AGS.

The specifics of the agenda for the three-day celebration will appear in a future Bulletin.

THE FIRST FORTY YEARS

Speaking Out

Reporter: Liz Seubert
Photographer: Peter Horton

Since early this year, members of the Special Events Committee have been working very hard to make the BNL 40th Anniversary Picnic, which will be held on September 19, a pleasure for everyone — whether they prefer it wild, relaxed or amusing. Here are some of their answers to the question: What are people going to enjoy most at the Picnic?

Charlie Flood (Safety & Environmental Protection) — There'll be so much to enjoy. It's a very reasonable price, there'll be lots of food and drink, and much to do or nothing to do, as you choose. The parade opens the show with fire trucks, a special band and antique cars — and after that, grab a balloon and have fun!

Renée Flack (Personnel) — The best part of the picnic? It's hard to choose. But I think people will like the feeling of camaraderie in celebrating the history of the Lab together. For myself, I've been in charge of selling so many of the anniversary T-shirts, I'm hoping that everyone will wear theirs, and that I'll see hundreds of 40th Anniversary blue T-shirts wherever I look.

Michael Zguris (Alternating Gradient Synchrotron) — I think people will mainly enjoy having a good time with friends. So many activities and exhibits are planned that everyone will find something special they'd like to do, from the sports fans at the ballfield to the gourmets who just sit, eat and drink!

Barbara Pringle (Contracts & Procurement) — The highlight of this year's picnic as far as I'm concerned will be the Fun Olympics. The Division of Contracts and Procurement has formed a team to compete with other departments and divisions, and they are issuing a challenge to all takers. We'll see if anyone can beat us in the water hat race! And the moon bounce, the magic show, the clown-face painting, and popcorn and ices will amuse the kids, while the furious excitement of the Fun Olympics amuses us!

Rick Backofen (Photography & Graphic Arts) — Since there isn't going to be a wet T-shirt contest, I guess it'll have to be the cotton candy after all!

Betty Pergan (Applied Science) — What will people like? All the fun and games, and watching adults and children enjoying themselves. I think the two strolling musicians will be a great attraction — they'll play any tune people request. The dancing competition is always very popular, too. The Science Museum will be open, and several BERA clubs will have exhibitions in the gym. It'll be an interesting, happy time.

Robert Brown (Medical) — What'll we enjoy most? Well — the whole thing: The BNL Party Animals' Fantasy! As a committee member, I usually wander around at BNL picnics making sure people have help in problems that crop up, especially with the smaller kids, who might get lost. This year there's a special "Petting Zoo," organized by the Upton Nursery School, with animals that small kids can touch. They'll love it.

George Oldham (Plant Engineering) — I think everyone enjoys letting their hair down and partying once in a while — and this is going to be a great time to do it. My wife says she's most looking forward to frolicking in the open hydrant!

Tickets are on sale for $3 each. Employees and retirees can buy them for themselves and their families at the BERA Sales Office, weekdays from 9 a.m. to 2 p.m., or from: Renée Flack, Bldg. 185; Blanche Laskee, Bldg. 185; Liz Mogavero, Bldg. 510A; Betty Pergan, Bldg. 179A; and Rosalie Piccione, Bldg. 355.

Hughes (cont'd)

Diane Hatton, National Synchrotron Light Source Department, Hughes was chosen from a pool of women whose names were submitted for consideration by their department or division heads. She went alone to the three-day conference, which ran from July 16-18. "I am glad I was on my own," she said. "I met more people that way. This was my first time at this sort of thing, and I made a lot of good contacts."

Among the 2,700 program attendees, Hughes met participants from a dozen agencies who had come from all over the U.S., including Alaska and Hawaii, as well as from Japan and Germany. Most worked for the government, in positions ranging from electrical technicians to office managers.

While Hughes rated the training program highly, she said, "A one-time only attendance is not enough to cover all the topics that could be useful. It just gives a flavor of what is available. Still, it's nice to be on the other side of the conference desk. I have worked on a lot of summer studies and conferences here at BNL, so I know what it's like."

Paula Hughes came to BNL almost exactly 20 years ago, on August 7, 1967, after holding positions in New York City as a secretary with IBM, a patent secretary for the American Can Company and Assistant Personnel Director at the Museum of Modern Art. At BNL, she became a secretary in the AGS Conversion Division, as the ring was enlarged and the present linac was added. She worked with the ISABELLE and Colliding Beam Accelerator Projects before her current assignment assisting AGS Department Chairman Derek Lowenstein.

Did you know? Fleming House, the men's residence on Bell Avenue, was named for Sir Alexander Fleming, the Scottish bacteriologist who discovered penicillin. He was awarded a Nobel Prize in Physiology or Medicine in 1945, with Sir Howard Florey and Ernst Chain.

BNL's Fabulous Forty

The BNL we know today is the sum of thousands of events that have taken place here since 1947. This sampling shows the variety of events — from the monumental to the minor — that have occurred during the month of July, throughout the Lab's 40-year history.

July 1947 — The Lab paper first appeared under the name *Isotopics*. James G. Moor of the Personnel Department won $10 for suggesting the name.

July 12, 1948 — The first Biology symposium was held at BNL.

July 1950 — Many of the initial facilities planned for BNL were completed or nearly so: The reactor complex was finished, except for reactor alterations; two machines were installed in the cyclotron-Van de Graaff building; the Cosmotron building was completed, as fabrication of components and their assembly into the Cosmotron continued.

July 1952 — A formal summer student program was initiated, with participation by undergraduate and graduate students.

July 1, 1953 — The Accelerator Development Division was set up to consider design, development and construction of accelerators of greater energy than the Cosmotron.

July 1, 1954 — The Accelerator Development Division became a department, following the January 1954 approval of the Alternating Gradient Synchrotron (AGS) Project by the Atomic Energy Commission.

July 26, 1958 — BERA sponsored the first Laboratory-wide picnic, Operation Get-Together, attended by about 3,000 employees, retirees and their families.

July 29, 1960 — Protons were first accelerated in the AGS to their design energy of 30 billion electron volts (GeV).

July 20, 1961 — Maurice Goldhaber was named the third Director of BNL.

July 1, 1962 — The discovery at the AGS of the muon-neutrino was announced by a Columbia University/BNL team headed by Leon Lederman, Melvin Schwartz and Jack Steinberger.

July 10, 1964 — In *Physical Review Letters*, a Princeton University experiment at the AGS, headed by Val Fitch and James Cronin, reported the discovery of a breakdown of CP invariance. They received the Nobel Prize for their discovery in October 1980.

July 14, 1966 — Ground was broken for Berkner Hall.

July 20, 1967 — The Bulletin Board announced that the residence halls had been renamed in honor of scientists who had made outstanding contributions in fields related to work at BNL.

July 24, 1969 — The Brookhaven Bulletin reported that BNL scientists Raymond Davis, Raymond (Dutch) Stoenner and Warren Lyman would be among those to perform initial experiments on lunar rocks from the first moon landing — Apollo 11, July 20, 1969 — during the quarantine period following the landing.

July 26, 1972 — The Bulletin announced two new medical benefits: the reimbursable sick leave credit plan, effective January 1972, and Lab-paid group medical insurance for eligible employees' dependents, effective January 1974.

July 26, 1974 — A new 400,000 gallon oil tank had been constructed and filled with #6 oil to insure adequate heat during the coming winter season, the Bulletin reported.

July 11, 1975 — The Bulletin noted that four groups in the Department of Applied Science had moved into the former dormitory known as the H-building, Bldg. 475, which had been vacant since 1969 and undergoing renovation since April.

July 9, 1976 — The Bulletin observed the nation's Bicentennial with a special issue devoted to "Science in Seventy-Six."

July 30, 1976 — The fusion of plant and human cells was announced by a BNL team under Harold H. Smith.

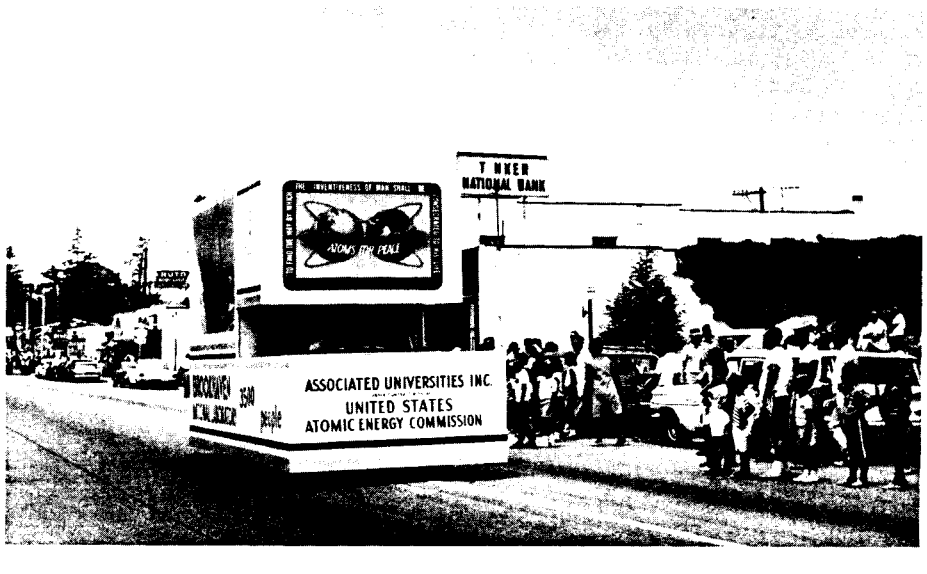
July 24, 1979 — The Department of Energy (DOE) presented 28 Lab and DOE Brookhaven Area Office personnel with certificates of appreciation for helping to deal with events from the crisis at Three Mile Island, as part of the Radiological Assistance Plan effort.

July 2, 1982 — The first Farmers' Market started on site, on Fridays.

July 29, 1983 — The Bulletin announced that the first sum of money for the Phase II Project at the National Synchrotron Light Source had been appropriated by Congress and approved by the President.

July 13, 1984 — The highest energy experiments ever attained with polarized protons, at 16.5 GeV, began at the AGS.

July 25, 1986 — BNL's first year of participation in DOE's High School Honors Research Program, where 52 students spent two weeks experimenting at the NSLS, came to an end.



July 28, 1955 — On the eve of the International Conference on Atomic Energy in Geneva, the U.S. Post Office issued this "Atoms for Peace" stamp designed by George Cox, a technical illustrator at BNL. In July 1966, Cox designed this float featuring his stamp design, for Patchogue's Fourth of July Parade.

A Classic Case for a Car Club

When three Kens — Ken Asselta, Ken Dobreuenaski and Ken Sutter — parked their automobiles along with eleven other classics in the lot opposite Berkner Hall last Wednesday, people came by and asked questions, such as: "When will you do this again?" Good questions lead to good answers, and the answer is BNL's first classic and antique car club.

These pictures were taken last Wednesday while the founders tested support for their club. To date, they have collected the names of 25 prospective members and are planning to apply to the BERA executive board for sanction as a BNL club. According to Asselta, the club will be dedicated to classic and antique cars and motorcycles. Activities will include picnics, get-togethers and cruising.

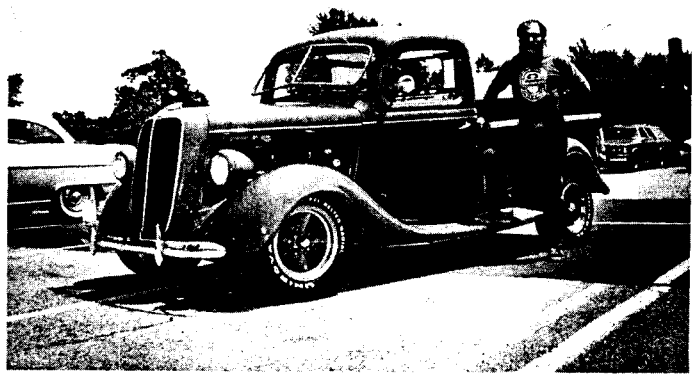
Asselta knows of a '46 Ford, but does anybody out there have a car built in 1947, the year BNL was founded, if you do or for more information, call Asselta, Ext. 5110; Dobreuenaski, Ext. 4081; or Sutter Ext. 4514.

—photos by Peter Horton

George Wunderlich, Plant Engineering, and his 1950 Ford.

This '55 Ford Fairlane is owned by Ron Tallon, Plant Engineering.

(From left) With their '55, '56, and '57 Chevrolet Belairs are Ken Dobreuenaski, S&EP; Marion Blennau, DNE; and Ken Asselta, Physics.



Ken Sutter, Applied Science, with his '37 Ford Pickup.

Reports Available

The following reports are now available to the Laboratory staff and to affiliates of the DOE, AUI and NRC. Others may purchase the reports from the National Technical Information Service, U.S. Dept. of Commerce, 5285 Port Royal Rd., Springfield, VA 22161. Staff members should call the designated contact at the extension listed.

NUREG/CR-3469
BNL-NUREG-51708
Vol. 3
Contact: L. Morrison, Ext. 4208
Occupational Dose Reduction at Nuclear Power Plants. Annotated Bibliography of Selected Readings in Radiation Protection and ALARA. J.W. Baum, et al.

NUREG/CR-4016
BNL-NUREG-51828
Vol. II
Contact: M. Gibbons, Ext. 7562
Application of SLIM-MAUD: A Test of an Interactive Computer-Based Method for Organizing Expert Assessment of Human Performance and Reliability. Vol. II: Appendices. C.C. Spettell, et al.

NUREG/CR-4409
BNL-NUREG-51934
Vol. 2
Contact: L. Morrison, Ext. 4208
Data Base on Nuclear Power Plant Dose Reduction Research Projects. T.A. Khan, et al.

BNL-51959
Contact: K. Holschuh, Ext. 5472
Construction and Commissioning of Dedicated Synchroton Radiation Facilities. Proceedings of Workshop held Oct. 16-18, 1985. R.W. Klaffky, et al.

NUREG/CR-4544
BNL-NUREG-51964
Contact: M. Gibbons, Ext. 7562
Reactor Coolant Pump Seal Related Instrumentation and Operator Response. An Evaluation of Adequacy to Anticipate Potential Seal Failures. W.J. Luckas Jr.; et al.

NUREG/CR-0054
BNL-NUREG-52011
Contact: L. Gilbert, Ext. 4909
Proceedings of the Workshop on Soil-Structure Interaction. Held at Bethesda, MD, June 16-18, 1986. H.L. Graves, et al.

NUREG/CR-4714
BNL-NUREG-52016
Contact: N. Yerry, Ext. 2335
Preliminary Assessment of the Performance of Concrete as a Structural Material for Alternative Low-Level Radioactive Waste Disposal Technologies. D.R. MacKenzie, et al.

BNL-52030
Contact: A. Rementer, Ext. 3604
Workshop on Short-Term Health Effects of Reactor Accidents: Chernobyl. Held at BNL, Aug. 8-9, 1986. V.P. Bond, et al.

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Annual Pool Special

The annual "money fetch" will be held at the swimming pool on Friday, August 7, at 3:45 p.m. Coins on the bottom of the pool will include quarters, dimes, nickels and pennies: You keep what you fetch.

Children of all employees working on site are welcome to come join the fun. Without a season pass, pool admission is $1.50.

Astronomical Society

The next meeting of the Astronomical Society will be held at the observatory on Monday, August 3, at 12:15 p.m.

There will be a tour and show for society members at the Vanderbilt Planetarium on August 19.

Service Awards

The following employees received service awards during the month of July:

Forty Years
Ralph P. Shutt ..... Physics

Thirty Years
John S. Bookless ..... App. Science
George Dioguardo ..... Sup. & Mat'l

Twenty-five Years
Vincent J. Angeloro ..... Plant Eng.
Stephen W. Feldberg ..... App. Science
Robert J. Liegel ..... Physics
Edward Skrezec ..... Staff Services
Richard J. Sutter ..... Physics

Twenty Years
Robert J. McGonigle ..... App. Math
Peter M. McHugh ..... MIS
Dennis J. Morgenthaler ... App. Math
George W. Murdock ..... AGS
Franklin J. Powers ..... Plant Eng.
John Skalyo ..... Nuc. Energy

Ten Years
Leslie G. Fishbone ..... Nuc. Energy
Catherine L. Green ..... Nuc. Energy
Robert K. Kiss ..... Reactor
Paul D. Moskowitz ..... App. Science
Olga Perez ..... Nuc. Energy
Arlene M. Rementer ..... Medical
Jon N. Sandberg ..... AGS
John F. Schuller ..... Plant Eng.
Alice H. Shih ..... Biology
Betsy M. Sutherland ..... Biology
John C. Sutherland ..... Biology

Dowling Offers Courses on Site

Registration for Dowling College courses to be held on site during the fall 1987 semester will be held on August 11, 13, 18 and 20, at Berkner Hall, from 11:30 a.m. until 2 p.m. Preregistration was held in June. If you registered then, you do not have to register again. The following courses are being offered:

ENG 041 — American Literature I
BUS 111 — Managerical Economics
BUS 108 — Labor Relations
PSY 015 — Developmental Psychology

A counselor will be on hand on those dates to process registrations and answer questions about Dowling's program offerings.

Woodhead (cont'd)

"and too few women take advantage of it. I appreciate the difficulty with a job, home and children, but if they can at least squeeze in an hour . . . ."

She practices what she preaches: Woodhead, who holds a 1954 B.Sc. degree from the University of Durham, United Kingdom, is currently under review for the degree of Doctor of Science at the same university and has recently completed her M.A. degree at the State University of New York at Stony Brook. She also teaches a course in the Biology of Aging at Stony Brook because she is "very concerned that, in the year 2030, the baby boomers will not have enough people behind them to take care of them, and it could be a major crisis."

Swim Club

At the first long course meet of the outdoor season, the Nassau County Long Course Masters Swimming Meet on Saturday, July 25, four BNL Swim Team members earned eight medals for top-three, age-group finishes.

50-meter Freestyle

Peter Heotis	29.51	3rd men 35-39
Paul Michael	35.86	3rd men 55-59
Laurie Hastings	40.96	4th women 30-34

100-meter Freestyle

Peter Heotis	1:08.09	1st men 35-39
Paul Michael	1:28.45	3rd men 55-59
Laurie Hastings	1:37.29	4th women 30-34

50-meter Butterfly

Peter Heotis	31.70	2nd men 35-39
Toshi Sugama	41.82	2nd men 40-44

100-meter Breaststroke

Toshi Sugama	1:27.46	1st men 40-44
Laurie Hastings	1:55.38	3rd women 30-34

All film badges will be changed tomorrow. Please place your badge in its assigned rack space before leaving work today.

Arrivals & Departures

Arrivals

Carl M. Schultheiss ..... Accel. Dev.

Departures

This list includes all employees who have terminated from the Laboratory, including retirees:

Jeffrey R. Appling ..... Chemistry
Paula C. Appling ..... Appl. Math

Cafeteria Menu

Week of August 3

Monday, August 3

Cream of spinach soup	(cup)	.75
	(bowl)	.95
Baked, herbed chicken w/1 veg.		2.95
Baked, herbed skinless chicken w/1 veg. (lite-weight)		2.95
Country fried steak w/1 veg.		2.85
Hot deli: Fresh ham	(bread)	2.55
	(roll)	2.65
	(hero)	2.75

Tuesday, August 4

U.S. Senate bean soup	(cup)	.75
	(bowl)	.95
Roast turkey w/dressing & 1 veg.		2.85
Broiled fish w/1 veg. (lite-weight)		2.95
Hot deli: Sloppy Joe		2.45

Wednesday, August 5

Turkey rice soup	(cup)	.75
	(bowl)	.95
Sausage pizza	(slice)	.95
Baked meat loaf w/Spanish sauce & 1 veg.		2.85
Tortellini salad plate (lite-weight)		2.25
Hot deli: Roast beef garden club		2.65

Thursday, August 6

Garden vegetable soup	(cup)	.75
	(bowl)	.95
Lasagna w/garlic bread		2.85
Triple scoop plate: tuna, pasta salad, cole slaw & muffin (lite-weight)		2.25
Shrimp & broccoli stir-fry over rice		2.95
Hot deli: Pastrami	(bread)	2.55
	(roll)	2.65
	(hero)	2.75

Friday, August 7

New England clam chowder	(cup)	.75
	(bowl)	.95
Fried fish w/1 veg.		2.95
Broiled fish w/1 veg. (lite-weight)		2.95
Macaroni & cheese w/1 veg.		2.85
Hot deli: Baked ham	(bread)	2.55
	(roll)	2.65
	(hero)	2.75

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 and/or appropriate bargaining unit, 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 Employment Manager, Ext. 2882.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside applicants.

2636. SECRETARIAL POSITION - Requires knowledge of office practices and excellent secretarial and communication skills. Duties will include technical typing, correspondence, travel arrangements, file maintenance. Word processing experience necessary; MICOM word processing desired. Structural Analysis Division, Department of Nuclear Energy.

2637. SECRETARIAL POSITION - Requires excellent secretarial skills and knowledge of MICOM word processing. Familiarity with IBM/PC - MICOM interface helpful. Will be responsible for extensive word processing of technical reports for Reactor Operations Analysis Group. Additional responsibilities will include maintenance of files, travel arrangements and correspondence. (Reposting of Job #2630). Department of Nuclear Energy.

2638. TECHNICAL POSITION - Requires an AAS degree in electronic technology or equivalent experience and background in complex electronic and electromechanical equipment, including vacuum systems. Will construct, repair, modify and operate equipment and facilities at the Tandem Van de Graaff Accelerator. Must be willing to work shifts. Physics Department.

2639. EXPERIMENTAL METAL WORKER - Requires a minimum of five years' experience in the fabrication and finishing of metal or associated products on jobs where standards of operation may require unique application. Must be proficient in job print interpretation, lay-out and machine set up. Demonstrated ability and imagination in all phases of metal work is essential. Project assignments are mainly for non-production work and range from raw material to final assembly jobs. Central Shops Division.

2640. TECHNICAL POSITION - Requires an AAS degree in electronics technology or equivalent, plus experience with solid state electronic devices. Must be able to work from sketches and verbal instructions based on direct interaction with scientists and engineers. Work involves a broad variety of tasks from sophisticated instrumentation development to simple wiring chores. (Reposting of Job #2604.). National Synchrotron Light Source Department.

Autos & Auto Supplies

85 MONTERO MITSUBISHI - 2 dr., 4wd, auto, loaded, low mi., mint cond., $8,900. Dominic, Ext. 4265 or 732-2668.

73 PLYMOUTH DUSTER - runs well, $450. Tony, 281-0336.

85 ESCORT - hatchback, 2 dr., 4 spd., am/fm stero cass., rear defroster, 36k mi., good cond., $3,800 or best offer. Ed, 588-0677.

CAMPER - 9½ slide-on, sleeps 4, w/oven, stove, dinette, $400. 929-8876 after 6 p.m.

78 VW RABBIT - 91k mi., excel. cond., orig. owner, $1,000. John, Ext. 3821 or 473-6624 after 6 p.m.

DUNE BUGGY - Volks chassis, 31" off-road tires on rear, fiberglass bucket seats, roll bar, $1,250 or best offer. Jim, 588-0677.

77 CADILLAC - Sedan deVille, 4 dr., white vinyl roof, red leather int., all options, excel. cond., $3,000. Jim, Ext. 4040 or 289-0876.

79 DATSUN - 4 spd., $625. 363-7032.

71 PLYMOUTH DUSTER - a/t, stereo, 4 new tires, battery, brakes, must sell, college-bound, $1,200. Ext. 4695.

73 MERCEDES BENZ 280 - 4 dr., white, dark green int., $4,300. Ext. 4099 or 689-9214.

77 GREMLIN - good running cond., will accept reas. offer. 744-2821.

81 CHEVETTE - and 1978 Caprice Classic, excel. cond., 242-9386 after 7 p.m.

75 CHARGER - excel. cond. in & out, $450; 1970 Barracuda, $800 or best offer; 1979 Cordova. 924-0960.

81 HONDA ACCORD - hatchback, 5 spd., a/c, am/fm, 110k mi., new brakes, exhaust, clean in & out, $1,900. Ext. 3752 or 744-9699.

76 GMC PICKUP - 1 ton, good cond., body has rust, $700. Henry, 472-1338.

72 LINCOLN CONTINENTAL MARK IV - runs well, new exhaust, $600. Ext. 2385.

78 MERCURY COUGAR - a/t, p/b, p/s, am/fm cass., dependable, $1,395. Ext. 3090.

80 VW RABBIT - 4 dr., fuel inj., a/c, sunroof, excel. cond., $1,500. Ext. 4960.

82 COACHMAN TRAVEL TRAILER - 17½', used 4 times, sleeps 6, rear bath, tow car-opt. 298-4155.

86 DODGE CONQUEST - Technica pkg., a/c, leather int., auto w/o.d., Alpine alarm, loaded, excel. cond., $12,200. Bob, Ext. 4561 or 744-3289.

83 MITSUBISHI STARION LS - red, new turbo, a/c, loaded, 46k mi., excel. cond., $6,800. Ext. 3341 or 981-9474.

79 CHEVY MONZA - hatchback, 2 dr., 4 spd., p/s, p/b, a/c, good cond., $950. Wang, Ext. 2185.

TENT TRAILER - Apache Mesa III, sleeps 6, stove, ice box, awning, extras, $800. Greg, Ext. 3472.

76 CAMARO - dependable, best offer over $150. 878-0516.

77 BUICK - 2 dr., a/t, p/s, p/b, p/sunroof, a/c, am/fm cass., $1,000. Helen, Ext. 2601.

84 CHEVROLET PICKUP - K20, 4x4, p/s, p/b, am/fm cass., sunroof, bed rails, more, 43k mi., black, $9,300. Joan, Ext. 2922 or 395-1588 eves.

RIMS - 4, 14x6, '87 stock Mazda pickup, asking $10/ea. Rob, 928-1209 after 6 p.m.

SNOW TIRES - F78, Goodyear, used 1 winter, on rims, $50/pr. Ext. 4960.

83 VW VANWAGON - 40k mi., water cooled, $5,000 or best offer. Ext. 4166 or 286-2282 eves.

78 CONCORD - a/t, p/s, p/b, am/fm cass., $1,250; 1980 Camaro, 79k mi., new tires, p/s, p/b, a/c, ask. $2,900. Beeper 266 days, 281-0360 after 6 p.m.

85 JEEP LAREDO CJ7 - hardtop & softtop, am/fm cass., excel. cond. in & out, $8,500. Paul, 286-2517.

78 MALIBU WAGON - V8, auto, p/s. p/b, 70k mi., $1,200. Don, Ext. 2249 or 286-1396.

TRUCK CAP - walk-in, built-in beds, table, large rear door, great cond., $350. Ext. 4612 or 928-6469.

82 DATSUN MAXIMA - diesel, fully equipped, excel. running cond., $4,300. Bob, Ext. 2629 or 751-7330.

83 MERCURY LYNX - station wagon, 4 spd., a/c, am/fm stereo cass., new brakes & tires, tuned & inspected, $3,200. Ext. 4153 or 732-5829.

77 CADILLAC - moonroof, T&T wheel, cruise con., all options, new trans, high mi., good cond., $2,000. Bob, Ext. 2309 or 473-9180.

78 AMC - 4 dr., 6 cyl., a/t, very good cond., can be seen at Chemistry Bldg., $800. 727-3608.

83 NISSAN SENTRA - 4 dr., a/t, a/c, new am/fm stereo cass., low mi., orig. owner, mint cond., $4,300. 473-7849.

82 CHEVY VAN - custom by Good Times, loaded, 70k mi., orig. cost $22,500, asking $9,500. John, Ext. 7799 or 874-2932.

78 DATSUN 810 - 4 spd., runs well, good transportation, best offer. 929-6466.

80 CHEVROLET CHEVETTE - hatchback, 4 dr., fair cond., $999. 924-0848.

73 PONTIAC - 2 dr., a/t, p/s, p/b, am/fm cass., $375. Fred, Ext. 3259 or 473-8622.

82 MERCURY ZEPHYR Z-7 - black, a/c, p/s, p/b, am/fm, looks good, runs well. 499-6341.

76 GMC JIMMY - 4wd, a/c, low mi., many new parts, $3,500. Kevin, 563-1189.

74 CHEVY VAN - runs well, $700. Randy, 399-2166.

VW BEETLE PARTS - tune-up kit, spark plug, cables, brake shoe, engine compartment hood. Ext. 3152 or 924-2568.

81 OLDS 98 REGENCY - 4 dr., 5.01 engine, p/w, p/l, tilt, a/c, clean. Glenn, 737-3327.

75 PLYMOUTH VALIANT - 4 dr., a/t, r/h, good tires, runs well, $650. 277-4091.

TIRES - steel-belted radials, 5-P205-70R15, mounted on wagon wheels, less than 2,000 mi., $350. 645-5298, leave message.

Boats & Marine Supplies

38' TRIMARAN - ketch rig, call for extras, price neg. Pete, 751-4323.

21' CONCORD MACH II DEEP VEE - 200 h.p. Merc O/B, Shoreline E-Z roller trailer, all 1981, excel. cond., $8,300. Bob, Ext. 4561 or 744-3289.

15' AQUAGLASS - 1971, hull design like Boston Whaler; 1976, 85 h.p. Mercury o.b.; 1976 Highlander trailer, good cond., $2,500. 286-1709.

27' SILVERTON - 225 FWC Chrysler, flying bridge, trim tabs, very clean, in water, $9,000. 325-0681.

22' SEARAY - 1974, hardtop, new canvas, trailer, extras, excel. cond., $8,000 firm. 369-2838 after 4:30 p.m.

19' O'DAY - ideal for bay sailing, $3,500. Ext. 3763.

DEPTH FINDER - $20. George, Ext. 2417.

MARINE STOVE - & oven, all stainless, kerosene, like new, $100. 475-8710.

18' CENTURY BOWRIDER - 1984, good cond., low hrs. on I/B, extras, asking $8,000. Walt, 298-8601.

33' SILVERTON - 1974, sleeps 6, twin FWC 318's, low hrs., excel. shape. 878-0842 after 7 p.m.

Miscellaneous

ANDERSEN PICTURE WINDOW - double pane, 50" sq., 3 yrs. old, good cond., $50. Marty, Ext. 3843 or 5054.

BED SET - full-size, $100; gas stove, $25; metal cabinet, $20. Ext. 4289.

BED - queen-size, metal frame, $120; dresser w/mirror, $25. Eric, Ext. 7253 or 928-8379.

ORIENTAL RUGS - hand woven, several sizes. Ext. 4743 or 286-4910.

OPALS - from Australia, excel. quality, reas.; washer & dryer, good cond.; assorted barbells, plates, reas. 363-7032.

SHARP PC-7000 - w/printer, wp, Q Basic, $800. Kaz, Ext. 4331 or 282-3105.

MATTRESS - & boxspring, queen-size, good cond., $25. 924-6761 after 5 p.m.

PIANO - maple spinet, excel. cond., $800. 821-0250.

REFRIGERATOR - GE, 14 cu. ft., very efficient, good cond., $100 or best offer. Alan, Ext. 4714 or 744-5093.

PLAYHOUSE - Little Tikes, like new, $85. Tom, Ext. 4819.

COCKTAIL DRESSES - women's, brand-new, chiffon, size 6 to 13, $18 to $30 each; women's leather shoes, new. 924-0960.

TOPSOIL - delivered, 5 yds. min., $15 per yd. 924-7746 or 924-9427 after 7 p.m.

SINGLE BEDS - 4 new mattresses; 2 recliners, like new; lamps, dinette set, Colonial hutch, dresser. Ext. 2907.

KITCHEN SET - white, wrought iron, 6 chairs; oak king-size headboard. Annamarie, Ext. 2352 or 473-9016.

WASHER - Westinghouse, large capacity, 1 yr. old, good cond., $150. Aron, Ext. 7543.

KEYBOARD - "Carlo Robelli," $100. Ext. 2050.

MOVING SALE - 86" maple dining table, 4 chairs; 1 full & 2 twin beds, dresser w/mirror; 4-drawer desk; Charleswood desk; oak headboard; and more. Ext. 4960.

ENAMEL-TOP TABLE - 1930's, slide-in leaves, w/4 wood chairs, $60; girl's bike, 24" & 26", $10/ea. 878-6637.

MANTIS TILLER CULTIVATOR - like new, used only 4 hrs., border edger incl., bargain at $199. 286-3235.

MIRANDA SENSORMAT - w/50 mm f1.8, Soligor 28 mm f2.8, Vivitar 105 mm f2.8, & case. 928-0281.

MASTER BEDROOM - oak, queen-size bed w/headboard; triple dresser, 2 mirrors, armoire, 2 night tables, excel. cond. $1,000. 938-7018.

AIR CONDITIONER - & dehumidifier, $25/ea. Ext. 7108.

DINING ROOM SET - modern, cost $4,000, sell $900. 475-4596.

256 RAM CHIPS - 19, 120ns, $30. 821-3243.

CLOCK/RADIO/RECORDER - am/fm, snooze alarm, cass. recorder, $30. Joe, Ext. 2898.

ATARI 2600 GAME SYSTEM - w/accessories, 15 cartridges, $75. Jag, Ext. 5080 or 751-1884.

FOLDING STROLLER - Aprica, ideal for travel, excel. cond., $50. Ady, Ext. 4531 or 331-3785.

OAK DESK - $50; folding dining table, $40; chairs, $15; floor lamp, $15. Jerry, Ext. 5506.

TELEVISION - 19", b&w, portable Panasonic, good cond., $30. John, Ext. 5152 or 654-0924.

STEREO COMPONENTS CABINET - glass door & lid, like new, $50. Sue, Ext. 7235 or 395-3529 after 6 p.m.

TABLE - 5 chairs; china closet; oak hope chest, cedar lined; toaster oven, make offer for each. 475-1254.

ELECTRIC TYPEWRITER - IBM, Model B, wide carriage w/Greek typits, $150; men's short sleeve shirts, size 15½, $7; wallpaper. Susan, Ext. 4267.

STEREO - Hitachi, am/fm, turntable, 8-track, recorder player, 6 spkrs., excel., $325; computer, Texas Inst. T199/4A, like new, $75. Ext. 3392.

SLATE - 10 pieces, 15" sq., all for $5; sink, s.s., 21"x24", $25; windows, wood double hung w/storms, $5/ea. Victor, Ext. 2395.

WASHER - G.E., 6 mo. old, cost $450, sell $250. Andy, Ext. 2907.

DINING ROOM SET - contemporary, table leaf, 4 chairs, hutch, $200. Dianne, 727-3830.

OLYMPUS OM-10 - & flash, 50mm lens, 135mm telephoto, 2X converter, case, like new, asking $300. 325-1756.

TV - 16", B&W; girl's bicycle. Akos, Ext. 4973 or 3170.

MICROSCOPE - stage, $60; electric brake handle/trailer, $5. George, Ext. 2417.

OAK TABLE - w/2 leaves, new; corner hutch; 4 chairs; blue 8'x8' rug, $1,500. 298-4398.

SEWING MACHINE - Singer, w/cabinet & attachments, hardly used, asking $75. 281-6052.

AC GENERATOR - 4000 watt, portable, by Generic Corp., new, $400. 475-1844.

BARBEQUE - w/smoke hood, on wheels, charcoal pail, electric starter, good shape, $1,500. Mike, Ext. 2705.

HANGING LAMP - $20. Steve, Ext. 7862.

WEIGHTS - 80 lb set, $20. Ext. 2362.

EXERCYCLE - $65; wine rack, $20; headbds., $20; 2 desks, $50-$75; coffee table, $40; 2 etageres, blue, $40/ea.; sewing machine, $65. 277-4091.

Free

BIKE CHASSIS - 363-7032.

ROTTWEILER - female, spayed, housebroken, good temperament, very affectionate, need good loving home. Garry, Ext. 5289.

Yard Sale

BELLPORT - 18 Country Green Drive, off of S. Country Rd., Aug. 1-2, furniture, tools, garden furniture, etc. 286-9051.

Car Pool

SOUTH HUNTINGTON - LIE, Exit 49, wish to join or start car pool. Ext. 2050.

On-Site Services

FRIENDLY BROOKHAVEN GULF SERVICE - weekly special: tune-up, oil lube, filter; 4 cyl. - $54.95; 6 cyl. - $64.95; 8 cyl. - $69.95. Ext. 4034.

Real Estate

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

For Rent

SHOREHAM VILLAGE - small house, secluded, immaculate, has piano, walk to beach/tennis, $780. Palmer, 744-2836.

SHOREHAM NORTH - 4 bdrm. Colonial, 2½ baths, fam. rm., formal d/r, partially furn. 744-1750.

NORTH SHIRLEY - large furn. studio apt., w/kit., pvt. ent., util. inc., 1 person only, non-smoker, no pets, quiet, 5 min. from Lab & stores, security, $425/mo. pays all. 281-8044.

HILTON HEAD, SC - 2 bdrm. condo, sleeps 6, beach, pool,, tennis, golf, openings Aug. 15-29, taking fall rentals. 585-9149.

CATSKILLS - 3 bdrm., sleeping loft, full furn., near Hunter Mt. music festivals, golfing, fishing, rafting, hiking, game farm, rent for fall foliage, by day, wk. or mo. Judy or Kay, Ext. 3595 or Bea, Ext. 3642.

N. BABYLON - 2 bdrm., luxury apt., avail. from Sept. '87, $895/mo. 242-9386 after 7 p.m.

MIDDLE ISLAND - Artist Lake condo, 1 bdrm., l/r, kit., full bath, a/c, new w/w, dishwasher, redecorated, pool, heat incl., 5 min. to Lab., avail. Sept. 1, $650. Ext. 3144 or 698-5046 eves.

For Sale

SHOREHAM NORTH - 4 bdrm. Colonial, 2½ baths, fam. rm., formal d/r, 2-car garage, bsmt., patio, fenced. 744-1750.

OAKBORO, NC - fully furn., 24x45 modular home on 3½ acres, 3 bdrm, 1½ bath f/p, l/r, a/c, elect. heat, more, taxes $200 per yr., asking $50,000. Sheila, Ext. 3325 or 369-2404 after 6 p.m.

STRATHMORE RIDGE CONDOMINIUM - 2 bdrm. ranch, central a/c, w/w carpeting, 4 appli., low maintenance fees, 5 mins. from Lab, asking $95,000. 202-462-1676, Mon.-Fri., 9 a.m.-5 p.m.

EAST ISLIP - So. of Montauk, M/D Colonial, 2 kitchens, 2 l/r's, 3 bdrm., 2½ baths, on ⅓ acre treed property, many extras. 277-4091.

DENNISPORT, MA - Cape Cod, 8 rm. 1950's on ¼ acre corner, w/office, 4 bdrm., 1½ bath, electric & propane, walk to priv. beach on Nantucket Sound, taxes $600, asking $200,000. Ext. 4107.

HILTON HEAD, SC - 3 bdrm. condo, wet bar, 8 appliances, 2 baths, adjacent Palmetto Dunes golf course, ocean, tennis, 3 pools, asking $89,000 assumable mortgage; also for rent at reas. rates. 929-8912.

RIVERHEAD - 12'x55' mobile home, 2 bdrm., 1½ bath, l/r, eik, new shed, dbl. drive, corner lot in adult/55 park on Peconic River. Jeff, Ext. 2907 or 727-5915 after 6 p.m.

MILLER PLACE - Scotts Beach Club, priv. L.I. sound community, 4 bdrm. ranch set on ½ acre, 1½ baths, atrium room, many extras, $250,000. 744-2069.

PORT JEFFERSON - 3 Village schools, split-level, 4 bdrm., 2½ baths, den, deck, sunny garden, wooded, ⅓ acre, $210,000. 928-0281.

Wanted

HOUSEMATE - share house in Coram, avail. Sept. 1, own bath, $267/mo. + ⅓ util. Mike, Ext. 2671 or 928-8379.

BABYSITTER - for 3 mo. old girl, starting Aug. 31, Bellport, 8 a.m.-5:30 p.m. Pam Esposito, 286-8380.

HOUSE TO SIT - free, experienced, reliable, caring any period, after Sept. 1, Jack Allentuck, Ext. 2412.

OLD LAWN MOWERS - gas-type, will buy if complete. Dan, 698-7322 days or Ext. 4987 eves.

BABYSITTER - school holidays & vacations, Wading River. Cindy, Ext. 3301 or 929-3847 after 6 p.m.

WET SAW - for ceramic tile. Tony, 585-0178 after 5:30 p.m.

MODELS - for high-fashion advertisement ad, must sign release, male & female. Ripp, Ext. 4672.

HOUSEMATE - to share large house in Setauket, 2 blocks from SUNY, $400+. 689-3055 eves.

CRIB - sturdy wood, pref. oak. Nick, Ext. 4979 or 878-6760.

Classified Ad Policy Deadline is 4:30 p.m. Friday for publication Friday of the next week.