BROOKHAVEN BULLETIN
Vol. 41 - No. 32 August 14, 1987
BROOKHAVEN NATIONAL LABORATORY

Veteran Astronaut Addresses DOE Students

Mort Rosen

At the closing of this year's High School Honors Research Program, former Astronaut Joseph Allen (fourth from left) gave a talk on his experiences during two space shuttle voyages. Pictured with Allen are: (from left) Jerry Bellows, Manager of the Department of Energy's (DOE) Brookhaven Area Office; Martin Blume BNL Deputy Director; Hilary Rauch, Manager, DOE Chicago Operations Office; Allen; BNL Director Nicholas Samios; Student Phaleiny Huy, from Georgia; Student Jason Sheehan, from Pennsylvania; Donald Metz, Head of the Office of Educational Programs; and BNL Physicist John Olness, who introduced Allen. Also representing DOE at the event was Marilyn Smith, Special Assistant to the Director of Energy Research (not pictured).

Larry Runge Is New Manager Of Safeguards & Security

The Laboratory began the month of August with a new Manager of the Safeguards and Security Division. He is Larry J. Runge, who comes to BNL with extensive experience in the field of security.

Most recently, Runge, who holds a master's degree in police administration from Michigan State University, was a manager with the consulting firm of R.E. Timm & Associates, Chicago. In that position, since 1985, Runge worked extensively with security systems for the U.S. Departments of Energy and Defense.

Before working for Timm, Runge spent 2½ years as Safeguards and Security Manager at Argonne National Laboratory. Both positions gave him the opportunity to learn about the national laboratories, including BNL.

For the 22 years before he went to ANL, Runge served in the U.S. Air Force (USAF). His final assignment of his military career was as Chief of Security Police for the entire USAF, overseeing about 40,000 people. For the last four years, this was done from a headquarters in Albuquerque, New Mexico, a place the Missouri native grew to like so much that it's now first on his list of future retirement sites.

Right now, though, Runge is concentrating on Long Island and BNL. "I am very pleased to be here," he said, "In the short time I have been at the Lab, I've found the people extremely helpful and the experience very enjoyable."

Mort Rosen

Larry J. Runge

Though he is all moved into his new office in Bldg. 50, he and his wife June are still in the process of closing on their new home in Nissequogue, which he hopes to accomplish before their furniture arrives from Chicago. "Having been in the military all these years," he says, "I know what can happen to furniture in storage."

Summer Science Benefits Students and Staff

Summer peaked a little early this season when most of the summer students and summer interns packed and left last Friday.

Their departure ended ten weeks of collaboration between students and BNL staffers.

This year's Summer Student and Summer Intern Programs gathered 68 college students from around the U.S., providing students with a transition from academic, textbook learning to more independent laboratory research work.

With the exception of graduate students working on their theses, these programs bring more students to work at Brookhaven than any other educational undertaking. "If these programs were not in place, we would have very little interaction with college students." said Senior Scientist Darrel Joel, who had several students working in his Medical Department lab this summer.

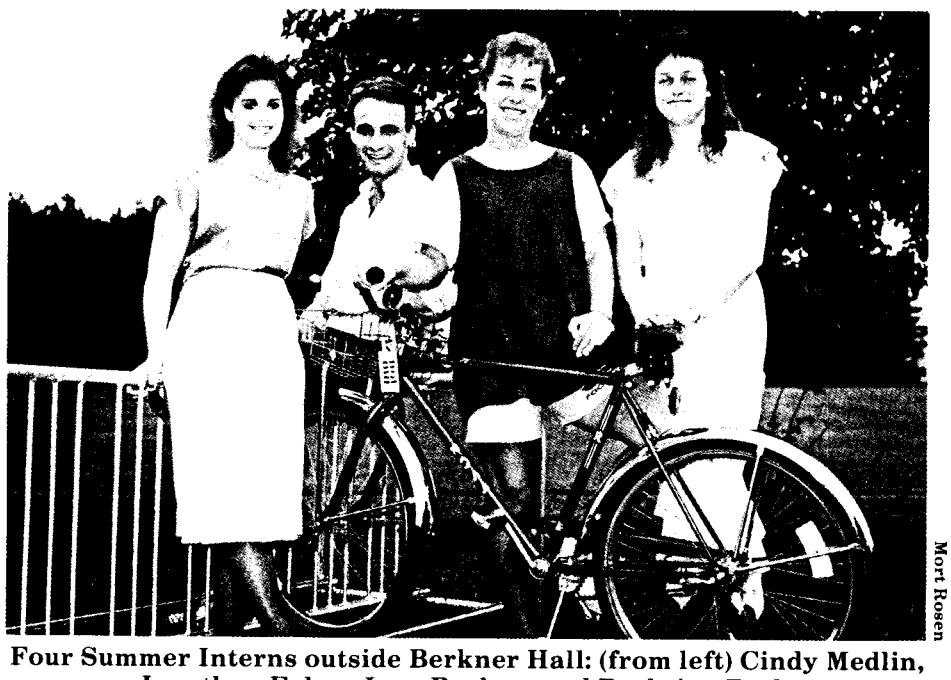
While noting that some summer students have returned to BNL in later years as staffers, Donald Metz, Head of the Office of Educational Programs, said, "I think the programs are an investment in the future. I think each one of us, somewhere along the line, has been helped by somebody else who took a little time out of his normal life to help. We are paying back the system."

Participants in the Summer Student Program are usually college students who have just completed their junior or senior years, but this summer a new program called the Summer Intern Program brought younger college students to BNL. Metz explained, "This year a limited number of appointments were created for participants in 1986 High School Honors Research Programs at Lawrence Livermore and Brookhaven." Metz reported that staff feedback about the new program has been positive, and it will most likely be continued next year.

The student programs benefit researchers and students alike. John Iulo, Manager of Master Planning in Plant Engineering, who supervised Summer Student Anders Carlson said, "We have given Anders a taste of the real world, and he has worked very hard for us."

Carlson studies civil engineering at Cornell University, where he will be a senior this year. At BNL, he surveyed buildings, measuring interior work space. As part of his job, he examined several of the large civil engineering projects on site.

One of the projects he surveyed was the waste treatment plant. "I took a class in environmental quality engineering, and I learned all about the processes that are done to put out treated sewage. It was all just on the blackboard and a lot of theory," said Carlson. "To actually go out and see the plant gives a different perspective than just seeing it on a blackboard."



Mort Rosen

Four Summer Interns outside Berkner Hall: (from left) Cindy Medlin, Jonathan Foley, Jane Burlage and Barbrina Beck.

As students make the transition from blackboard and textbook to laboratory, they ask many questions.

Summer Intern Cindy Medlin worked with Scientists Terje Skotheim, Department of Applied Science, and Peter Vanier, Department of Nuclear Energy, studying solar cells. About to enter North Carolina State University, Medlin already has an attorney checking into a possible patent for a solar cell she developed in her home in rural North Carolina.

Skotheim, Medlin's advisor, commented, "It's nice to have a student around: It creates an inquisitive environment." Because students ask questions that researchers close to their work might overlook, Skotheim said, "Having a student around makes you think about aspects of a project you don't normally consider."

In addition, Senior Physicist Thaddeus Kycia, who took a summer intern and a summer student into his Alternating Gradient Synchrotron physics experiment searching for rare kaon decays, believes college students have a natural place in the laboratory, tackling tasks that fall in-between various levels of expertise.

Because the students are often in unfamiliar situations, they take several days to acquaint themselves with their new projects. Eventually the students learn, but the teaching takes place in informal ways.

About teaching, Joel said, "It is not teaching in a formal sense, but one tries to impart at least some knowledge of how an experiment is formulated and an awareness of research strategy in general."

Joel can see changes in student's attitudes about research before and after they come to BNL, "I believe that they are surprised at the complexity of any given study. It seems simple on paper, but it never is."

The education has two distinct parts: Summer students learn specific science for their projects, and they learn the method of scientific inquiry.

Summer Intern Jane Burlage, a sophomore from the University of Iowa who worked with Joel, testing drugs and neutron capture therapy with rats, said, "When I got here, I didn't know what research was about, and now I know — I mean you are actually getting your hands on rats."

Despite Medlin's previous research into solar cells, she said, "My picture of a scientist was always somebody in a little white lab coat with pens in one pocket and goggles on his head and a little mouse hanging out of the other pocket, but I have found that not to be true here."

Medlin also likes the practical side of her lab work. "I've learned a lot of things, like how to clean and grease an O-ring in a vacuum pump." she said, "Before this I had no idea what an O-ring was, much less how to clean and grease one."

Medlin also learned because Skotheim took time to teach her. "Instead of his setting up a vacuum chamber and saying, 'This is the on/off button,' he drew a diagram and showed me how a vacuum chamber worked," she explained. "So, when he wasn't there, and I had a problem, I was able to fix it. This is very practical knowledge, and it is going to help me later on."

Summer Intern Jonathan Foley, who will continue working on Kycia's experiment through August before returning to Rensselaer Polytechnic Institute, where he will be a junior, agreed, "It's good to do stuff like this. You are sitting in school for four years, and they are teaching you what already has been done. Here at Brookhaven you are doing things that haven't been done before."

— Ric Lewit

BNL's Fabulous Forty

This is one of a series of interviews with employees who observe their 40th service anniversaries during 1987, BNL's 40th anniversary year.

"Working at BNL was my first real job," recalls Walter "Bucky" Buckes, who started at BNL almost exactly 40 years ago, on August 18, 1947. Since that day, Buckes, then a 21 year-old newlywed who signed on as a machinist's helper, has had a series of jobs in a number of departments. "I've enjoyed every bit of it, and I enjoy my present job more than anything," says Buckes, who has been Storeskeeper for the Alternating Gradient Synchrotron (AGS) Department since 1980 and now gives his age as "thirty-nine-plus."

Mort Rosen

Walter "Bucky" Buckes

Buckes and his wife Joan were both from the Bronx. "I had never heard of BNL," he recalls, "but my wife's uncle, Teddy Korsos, who continued as a machinist in Bldg. 535 [Instrumentation & Health Physics Department] for about 30 years, told us about it. We were about to be married, and we wanted to live here on the Island, so we applied for jobs at BNL."

Joan Buckes started working here first, in March 1947, three months before they were wed. She worked in the first BNL post office, a tiny room in the administration building. Five months later Walter Buckes was hired to cut graphite for the Brookhaven Graphite Research Reactor (BGRR), at $36 a week. Joan Buckes stayed at the Lab about five years before leaving to raise a family.

After about a year at the BGRR, Buckes transferred to the General Machine Shop as a Machinist's Helper. In another year he was Tool Crib Attendant, then he drove a light pickup truck for the Machine Shop, until he went into the Shop's office for almost three years, as a clerk.

At that point, Buckes says, "I was asked, 'Bucky, how'd you like to run the metals warehouse?' which was still under Machine Shop control. I was in charge there for about three years, and then the Supply & Materiel Division [S&MD] took over and asked if I would like to stay on or transfer back to shops. I liked it, so I said I would stay on." The metals warehouse was in Bldg. 206. Two years later he was transferred to the T-100 building.

Buckes had been in T-100 almost ten years when the present Physics Department, Bldg. 510, was completed in 1962. "Phil Borzi, Supply & Materiel Manager, asked me to set up a stockroom there," he says, "and they gave me a free rein on how to set it up. I spoke to experts about what parts to stock. The stockroom was so complete; it had almost every thing — lab supplies, electronics, glassware, stationery, etcetera."

Some eight years later, Buckes was made Senior Clerk, the property representative in charge of capital equipment for the Physics Department. Six years later he took the opportunity for a promotion to Storeskeeper, returning to S&MD. In that position he spent three years as a truck dispatcher and two in the Stationery Warehouse, Bldg. 86, before he was asked to come to the Accelerator Department, now the AGS Department.

He describes his present effort as "a never-ending inventory job — keeping inventories and keeping researchers supplied with equipment." This is complicated by the fact that "the AGS is so spread out. With HITL [the heavy ion transfer line], it even includes parts of the Tandem Van de Graaff now." But Buckes is not complaining about that. "I enjoy it," he says, "I don't sit at my desk all day. I get around to so many buildings."

While Buckes has seen many changes at BNL, he has also noticed changes off site. He has been carpooling to work from East Northport since his family moved there almost 30 years ago. "I used to enjoy coming to work," he recalls. "All the traffic was going into the city. Now I wonder, 'Where are these cars going?' There's almost as many going east as west."

Despite the ever-increasing traffic, Buckes says, "I have no regrets. If I had to do it all over again, I would, with one exception — I would have taken a course in business administration." — Anita Cohen

Do You Want to Know a Secret?

Alex Reben

Well, it's really not much of a secret, but it's true: You and your family can have a terrific time on Saturday, September 19 — at BNL's 40th Anniversary Picnic. Enjoy the food, the parade, the cotton candy and the strolling musicians. Join in the Fun Olympics or visit the children's petting zoo. Revel in the camaraderie and the good time. But in order to do all that, you've got to have tickets. They're on sale now at $3 each. Employees and retirees can buy them at the BERA Sales Office, weekdays from 9 a.m. to 2 p.m., or from: Renée Flack, Bldg. 185A; Blanche Laskee, Bldg. 185; Liz Mogavero, Bldg. 510A; Betty Pergan, Bldg. 179A; and Rosalie Piccione, Bldg. 355.

Did you know? Cavendish House, the men's residence on Upton Road, was named for Henry Cavendish, the English chemist and physicist who was a pioneer in the study of gases.

Contract Ratified

On August 5, 1987, the members of IBEW Local 2230 ratified a two-year contract with Associated Universities, Inc. The principal provision of the contract calls for a 4½% wage increase the first year and a 4% increase in the second year. The union represents 575 bargaining unit emplyees in six divisions: Central Shops, Photography & Graphic Arts, Plant Engineering, Safety & Environmental Protection (firefighters), Staff Services and Supply & Materiel.

Science Studies at Southampton

Mort Rosen

On July 29, BNL Director Nicholas Samios (center) presented scholarship checks from Associated Universities, Inc., to BNL employees' children, Heather Lambertson (seated, left) and Panaki Mukherji (seated, right). The pair were enrolled in the National Center for Excellence in Education, an institute for advanced science education of high school students, located at the Southampton campus of Long Island University. Behind the children are their parents, Thomas Lambertson, Central Shops, and his wife, Janice (left); and Swapna Mukherji, Plant Engineering (right).

Scholarship Presentation

The second winner of the annual $1,000 Renate W. Chasman Scholarship for Women has been named: She is Patricia Beach of Ronkonkoma, a junior majoring in mathematics at the State University of New York at Stony Brook. The scholarship was established by Brookhaven Women in Science (WIS) in memory of the late BNL Physicist Renate Chasman, whose work with the late Ken Green was the basis of the design of the two storage rings at the National Synchrotron Light Source. WIS will present Beach with a certificate and check on Thursday, August 20, at 4:30 p.m., in Room B, Berkner Hall. Refreshments will be served, and all are invited to attend.

Inside Info

Since 1984, **Matesh N. Varma** has divided his time between BNL and Department of Energy (DOE) offices in Washington, D.C. Beginning August 17, however, he will give DOE his full-time attention, when he becomes the Program Manager for Radiological and Chemical Physics Programs in the Office of Health and Environmental Research in DOE's Office of Energy Research. In his new capacity, Varma will be responsible for directing programs for radiological aand chemical physics, radiation dosimetry and other related areas.

Varma first came to BNL in 1972, as a Presidential Research Intern in the Physics Department. He joined the Safety & Environmental Protection (S&EP) Division in 1973, as a Research Associate, became Associate Scientist in 1973 and, in 1975, was named Scientist and Head of S&EP's Radiological and Chemical Physics Group.

—photo by Doug Humphrey

The penny fetch as it looked in 1968, three years after the start of the children's summer recreation program.

Kids in the Swim

They dove for underwater treasure as if they were going to raise the *Titanic*.

Despite the advertisement, there were not only pennies to be raised — "Don't you know?" one little boy asked with disbelief. "There are nickels, dimes and real-live quarters down there too."

This was the annual "pool special," the penny fetch, held on Friday, August 7. Sixteen dollars in small change lay on the pool's bottom, to become the possession of Lab employees' children who could bring up the loot. It was a chance for the kids to put to good use some of the water skills they have been learning this summer, such as treading water, surface dives and underwater swimming — and to earn their next admission to the pool.

The coin retrieval game is one of highlights of the annual children's summer swim program, the most popular summer activity offered to children of Laboratory employees by the Recreation Office, Personnel Division. The other summer offering to all Lab employees' children is tennis. The children's summer program has run every summer since 1965.

"We want the kids to learn and have fun at the same time," explains Richie Parsons, a physical education teacher at Rocky Point Elementary School, who runs the children's recreation program full-time during the summer and works part-time as a Recreation Assistant during the rest of the year. He works under the supervision of Blanche Laskee, Recreation Supervisor, and with Guy Mastrion, Recreation Representative.

The summer swim program includes children's lesson, from 2-3:30 p.m. weekdays, and expanded pool hours, from 3:30-9:30 p.m. weekdays. This summer, 100 children are enrolled for Red Cross swim classes, each child receiving one and a half hour, group lesson a week for eight weeks.

The children are grouped according to ability: non-swimmers, beginners, advanced beginners, intermediates and swimmers. Giving personal attention to individual children during group lessons is a tough job, but one that the four lifeguards who teach the children's lessons enjoy.

"I love to teach the little kids — the five- and six-year-olds," says Bob Pfeiffer, a junior, industrial engineering and physics major at the State University of New York at Buffalo, who also lifeguarded and taught swimming at the Lab last summer. "The little ones are very enthusiastic — they are always smiling, and that makes me smile."

"I also enoy teaching the little ones — because they listen," agrees Jackie DeVoursney, a teacher at Longwood Junior High School, who is a certified Red Cross Water Safety Instructor. "The non-swimmers and beginners can't do a lot, but they have a lot of fun doing whatever they can do and trying new skills."

"The advanced beginners and intermediates are my favorites — they know how to swim already, and they get better at it," says Keith Wilson, a junior political science major at Dickinson College. Also a Water Safety Instructor, Wilson has taught children's swimming and lifeguarded at BNL for three summers. "I tell them to practice between lesson — and I can tell who does and who doesn't."

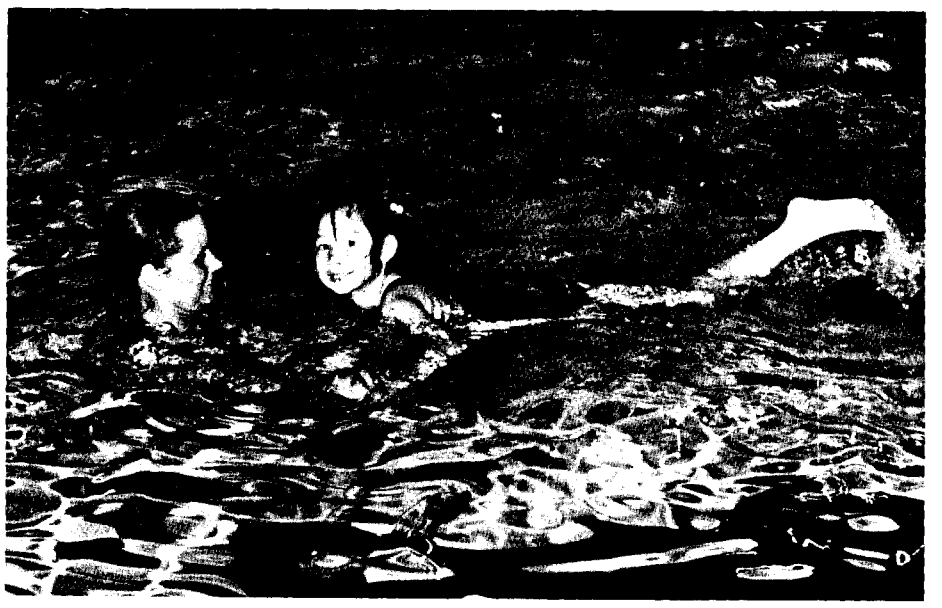
"I really like working with the older kids — it is easier to keep them occupied for an hour and a half, and they improve very quickly," explains Joe Glassner, a sophomore pre-med at Ithaca College. "The time can drag when I'm lifeguarding, but when I'm teaching, the time goes by fast because I'm having as much fun as they are."

The swimming classes conclude the week of August 24, with the children taking the appropriate Red Cross swimming test. Those that pass will be issued Red Cross cards. Whether or not they pass their swim tests, each child will be given a program participation card.

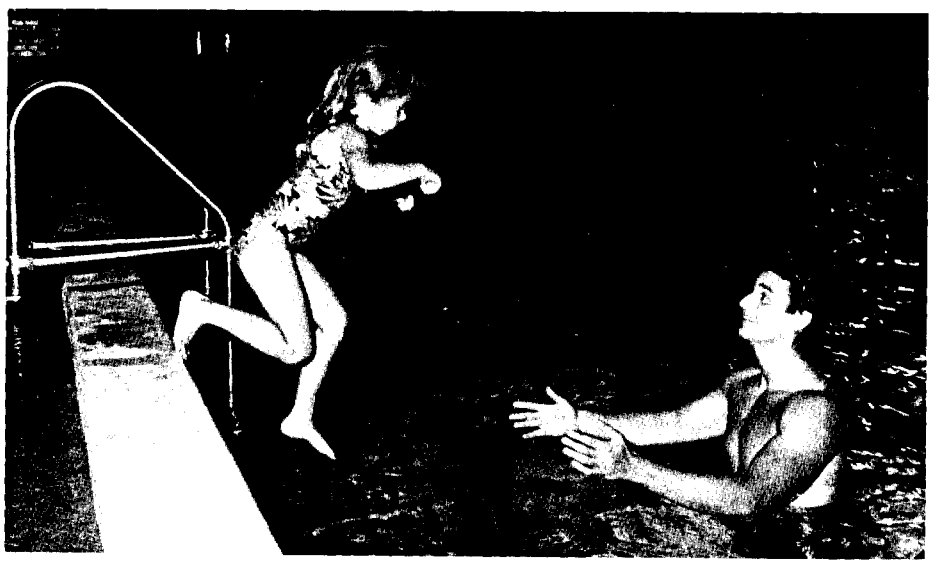
During the penny fetch, most kids were too preoccupied with the riches that lay on the bottom to realize that they were no longer afraid of water or of deep water, or that they really do know how to swim or to swim better. Like the swim classes, the penny fetch was divided according to ability, with non-swimmers in the shallow end and swimmers in the deep water — where "Next year," the little boy proclaimed, as 37 cents overflowed from his cupped hands, "I am going to swim."

— Marsha Belford

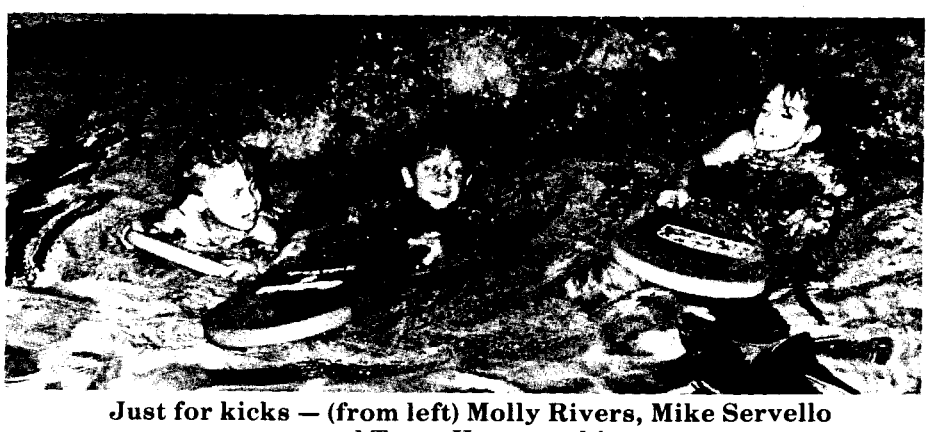
Photos below by Peter Horton



Water Safety Instructor Jackie DeVoursney assists swim student Amy Hsieh.



As Cyril Pinto Jr. (center) watches, Jessie Wunder jumps into the arms of her swim instructor, Joe Glassner.



Just for kicks — (from left) Molly Rivers, Mike Servello and Tama Kontovrakis.

Softball

League I
Sudden Impact 4 - BNL Bandits 3
Phoubars 17 - Ravens 6
Magnuts 11 - Six Pax 2
Makeup games:
Six Pax 6 - Phoubars 3
Six Pax 3 - Phoubars 2
League II
Scram 20 - Dirty Sox 4
Scrambled Leggs 16 - Medical 9
AMD 15 - Phase II 9
League III
Snakebites 8 - Survivors 5
Source (won) - Septembers (lost)
League IV
Spacekadets 9 - Underalls 8
Turkeys 10 - Who Cares 2

Cafeteria Menu

Week of August 17

Monday, August 17

Garden vegetable soup	(cup) .75
	(bowl) .95
Baked, quarter chicken w/1 veg.	2.85
Baked, skinless, quarter chicken w/1 veg. (lite-weight)	2.85
Seafood quiche w/1 veg.	2.95
Hot deli: Turkey	(bread) 2.55
	(roll) 2.65
	(hero) 2.75

Tuesday, August 18

Beef barley soup	(cup) .75
	(bowl) .95
Salisbury steak w/1 veg.	2.75
Turkey Stroganoff over noodles	2.75
Hot vegetable plate (lite-weight)	2.25
Hot deli: Corned beef	(bread) 2.55
	(roll) 2.65
	(hero) 2.75

Wednesday, August 19

Chicken rice soup	(cup) .75
	(bowl) .95
Lasagna w/garlic toast	2.85
London broil w/1 veg.	2.95
Tomato stuffed w/ham salad (lite-weight)	2.25
Hot deli: French dip	(bread) 2.55
	(roll) 2.65
	(hero) 2.75

Thursday, August 20

Beef noodle soup	(cup) .75
	(bowl) .95
Chicken Kiev w/rice pilaf	2.95
Pasta primavera w/1 veg.	2.75
Hot vegetable plate (lite-weight)	2.25
Hot deli: Baked ham	(bread) 2.55
	(roll) 2.65
	(hero) 2.75

Friday, August 21

New England seafood chowder	(cup) .85
	(bowl) 1.00
Ravioli w/1 veg.	2.85
Broiled fish w/1 veg. (lite-weight)	2.95
Hot deli: Pastrami	(bread) 2.45
	(roll) 2.55
	(hero) 2.65

BROOKHAVEN BULLETIN

Published weekly
by the Public Affairs Office
for the employees of
BROOKHAVEN NATIONAL LABORATORY

ANITA COHEN, Editor
MARSHA BELFORD, Assistant Editor
LIZ SEUBERT, Reporter

35 Brookhaven Ave., Upton, N.Y. 11973
(516)282-2345

Nursery School

The Upton Nursery School is now accepting applications from Lab employees who wish to enroll their three- and four-year-old children for the 1987-88 school year. For more information, call Mary Pat Takacs, 727-3218, or Marietta Veligdan, 874-3447.

Arrivals & Departures

Arrivals

Charles T. Bellizzi ..... NSLS
Robert J. Chmiel ..... Accel. Dev.

Departures

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

Eric M. Kneedler ..... NSLS
Andy S. Kydes ..... DAS

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.

LABORATORY RECRUITMENT - Opportunities for Laboratory employees only.

2649. BUDGET ADMINISTRATOR - Requires BS in business administration (master's degree desirable) or equivalent experience plus extensive pertinent work background. Excellent analytical, written and oral communication skills are required. Will be responsible for the overall administration, coordination and control of assigned areas of the Laboratory budget. Will prepare and interpret budgets and related financial reports. Must have high degree of initiative and judgment to review and coordinate budgetary matters with both Laboratory and Department of Energy staff. Budget Office.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside applicants.

2650. AUDITING POSITION - Requires BS in a relevant field or equivalent experience (an appropriate advanced degree is desirable.) At least five years' experience in public accounting is required and a CPA is highly desirable. Will be responsible for assisting in the completion of financial, subcontract and management systems audits. Excellent analytical, written and oral communication skills are required. Associated Universities, Inc.

2651. TECHNICAL POSITION - Requires AAS in electronic technology or equivalent experience. Familiarity with microprocessor bus interfacing and data conversion devices is required. A full knowledge of digital logic concepts and analog circuitry is needed. Position requires construction of prototypes and final testing. The candidate will work on VME interfacing, beam position monitoring, analog feedback loops, power supply interfacing and equipment status monitoring. National Synchrotron Light Source Department.

2652. SCIENTIFIC ASSOCIATE POSITION - Requires BS in physics, engineering or the equivalent experience. Will be responsible for testing of liquid argon/uranium calorimeter modules being built for D-zero calorimeter. The testing includes measuring capacitances using an LCZ meter interfaced with an IBM PC, high voltage testing and some programming on an IBM PC. Maintaining documentation of construction and testing data will also be involved. (One year appointment.) Physics Department.

2653. CLERICAL POSITION - Requires excellent computational skills, a solid background in a payroll-type environment and experience that demonstrates an aptitude for figures and accuracy. Proficient use of calculator and data entry experience necessary. Fiscal Division.

Autos & Auto Supplies

84 LINCOLN TOWN CAR - will accept part trade, dark grey, $9,800. Ext. 7274 eves. or wknds.

84 MAZDA RX-7 - black, maroon int., 5 spd., a/c, am/fm cass., 36k mi., $8,500. 266-1709.

75 FORD PICKUP - small V8, a/t, p/s, low mi., reliable, runs well, looks good, $900. Joe, Ext. 3464 or 281-7683.

85 CHRYSLER LEBARON GTS - 4 cyl., 4wd, a/c, 4 dr., 36k mi., $8,500. Ext. 2629 or 751-7330.

81 PLYMOUTH RELIANT K - 4 dr., a/t, 73k mi., new battery, excel. cond., $2,200. Ext. 5364 or 3131 after 6 p.m.

78 CUTLASS - V8, 4 dr., p/s, good tires, new brakes, mint, 76k mi., $1,500 neg. 467-1585.

69 PONTIAC CADILLAC - convertible, mint, $4,000 neg. 399-1122 or 281-4947 after 7 p.m.

71 VALIANT - 2nd owner, all new parts, slant 6, 22S eng., a/t, $1,000. 744-9429.

82 YAMAHA 400 MOTORCYCLE - low mi., good cond., $900. Ext. 4629 or 929-4258 after 6 p.m.

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

79 CHRYSLER LEBARON - 318 cu. in. eng., a/c, a/t, r/h, p/s, p/b, $1,750; 1975 Plymouth Valiant, 225 cu. in., p/s, a/t, 4 dr., $695. 277-4091.

86 HONDA MAGNA - mint cond., 18k mi., $2,900. 765-1106.

Z-28 T-TOPS - all opt., $82. 585-2084.

24' TRAVEL TRAILER - sleeps 6, fully self-contained, stereo, new refrig., excel. cond., powered by batt., prop., or elec., $3,950. 744-5069.

79 CAPRI - hatchback, V6, 2 dr., a/t, a/c, 84k mi., excel. cond., $2,100. 563-2751 after 5 p.m.

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

83 MERCURY LYNX - station wagon, 4 spd., a/c, am/fm cass., new brakes & tires, tuned & inspected, excel. cond., $2,900. Ext. 4153 or 732-5829.

79 HONDA PRELUDE - body A-1, needs eng. work, $350 neg. Ext. 2964.

72 YAMAHA WINDSHIELD - 5X650, new tires, tubes, battery, on the road, $249.95. Tony W., Ext. 4095.

78 DATSUN B210 - 5 spd., good gas mi., asking $500. 698-5694.

76 PINTO - runs well, dependable transportation, good tires, current inspection, asking $550 or best offer. Ext. 2238.

85 CHRYSLER LEBARON - 4 dr., a/t, p/s, p/b, a/c, am/fm, 26k mi., $8,395; 1982 Plymouth TC3 hatchback, a/t, am/fm, 37k mi., $2,395. 281-2208 eves.

78 PLYMOUTH HORIZON - many new parts, 98k mi., $1,400; 1983 Honda CB1100F, 12k mi., excel. cond., $2,600. Ext. 4638.

78 DATSUN B210 - hatchback, 4 spd., good transportation, $450. Anne, Ext. 5055 or 286-0910.

APACHE FOLDUP TRAILER - hardtop, bottled gas, stove, dinette, sink, sleeps 6, cabinet space. 475-3553 after 5 p.m.

72 PLYMOUTH STATION WAGON - good running cond., $400 or best offer. Ext. 2022 or 744-8386.

85 FORD XLT RANGER - 4x4, p/s, p/s, am/fm, V6, a/t, tow pkg., excel. cond., $8,200. Tom, Ext. 4671 or 924-6073.

81 PLYMOUTH TC-3 - hatchback, 2 dr., blue, am, r/h, 55k mi., $2,000. Don, Ext. 2043 or 499-4855.

78 PLYMOUTH HORIZON - 4 spd., rebuilt motor, excel. back to school car., $750. Ext. 4597 or 924-8213.

77 CADILLAC SEDAN DEVILLE - 4 dr., white, red leather int. & roof, excel cond., everything works, $3,000. Jim, Ext. 4040 or 289-0876.

84 ISUZU PICKUP - 4wd, diesel, rustproofed, 58k mi., 4 spd., many extras, excel. cond., $6,500. Bernadette, Ext. 3932.

75 ELDORADO - 75k mi., excel. running cond., ext. & int. fair, $900. Rob, 924-4262.

80 MONZA - good cond., new tires, battery & brakes, $950. 732-6678.

76 PONTIAC FIREBIRD - red, 350, p/s, p/b, good cond., $2,300 neg. Robin, 581-7733 days, or 475-5591 eves.

81 DODGE ARIES - 4 dr., am/fm, cb, a/c, p/s, good cond., great car for visitor, $2,100 neg. Ext. 2746.

79 AMC SPIRIT - 32k orig. mi., runs well, needs left fender, $500. Neal, 286-2435.

79 T-BIRD - black, p/s, p/b, a/c, am/fm cass., excel. cond., $1,800. Jerry, Ext. 7727 or 475-5591 after 5 p.m.

DUNE BUGGY - Volks chassis, 31" off-road tires on rear, fiberglass bucket seats, roll-bar, must sell, reduced to $800. Ext. 5168.

84 NISSAN SENTRA - 4 dr., 5 spd., 43 mpg, $3,200 neg. Larry, Ext. 2089 or 473-9048.

85 HONDA WAGON - 5 spd., a/c, am/fm cass., roof rack, reg. maint., 59k mi., excel. cond., $5,300. Ext. 2666 or 283-5376.

80 CAMARO - 3 spd., p/s, p/b, new tires, a/c, T-tops, black. Ext. 2621 or 281-0360 eves.

82 MERCURY ZEPHYR Z-7 - black, a/c, p/s, p/b, am/fm, good cond., $2,200. 499-6341.

82 OMNI - a/t, p/s, p/b, a/c, 64k mi., clean in & out, $2,950 firm. A. Romano, Ext. 4024.

78 MERCURY COUGAR - a/t, p/b, p/s, am/fm cass., must sell, $1,395. Ext. 3090 or 4393.

77 GREMLIN - hatchback, 3 spd., good running cond., asking $350. 744-2821.

BATTERY - 4 mos. old, from 1976 Sunbird, brand-new, worth $50. Frank, Ext. 2314 or 567-5131.

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

80 302 FORD MOTOR - needs rebuilding, $30; tow dolly for transporting cars, new, $800. Dick, Ext. 3499 or 589-9103.

80 BUICK SKYLARK - 4 cyl., new tires, shocks, exhaust, brakes, trans., battery, 93k mi., $2,000. Ext. 7148 or 588-9452.

69 FORD VAN - many new parts, a/t. 698-5647.

80 VW RABBIT - 5 dr., fuel inj., a/c, excel. cond., $1,500. Kale, Ext. 4960.

74 CAPRI - decor group, sunroof, s/t; 1977 Camaro, black w/camel int., new tires, a/t, mag wheels, well maint. 744-0725.

82 HONDA CIVIC - hatchback, 5 spd., 58k mi., mint cond., $4,000. Ext. 3699 or 286-2493.

79 T-BIRD - 351 cu. in., p/b, p/s, p/seat, a/t, 90k mi., mint cond., $2,000. F. Merkert, Ext. 4566 or 732-3003.

77 DODGE ASPEN - fully loaded, int. very good, good running cond. George, 289-0687.

83 BUICK REGAL - 4 dr., a/t, p/s, p/b, a/c, am/fm tape, velour, cruise con., excel. cond., $5,295. Ralph, Ext. 4171.

76 PINTO WAGON - a/t, nice cond., $475. 472-4228.

70 DODGE DART - 6 cyl., good, reliable transportation, $250. George, 289-0687.

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

80 CHEVY CITATION - 4 dr., 4 cyl., a/t, good tires, no rust, needs engine, $500. Dave, Ext. 4561.

75 X/19 FIATS - 2, one running, one for parts, $350 for both. Bob, Ext. 5010 or 289-2986.

84 HONDA CIVIC SEDAN - 4 dr., 71k mi., am/fm/tape, $4,500. Ext. 2109 or 283-6409 after 7 p.m.

Boats & Marine Supplies

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

14' HOBIE TURBO - trailer, extras, very good cond., $1,300. Hichborn, 929-4133.

SAILS - Jolly boat, 3 complete sets, mast, rigging, rudders, boards, $150. Ext. 2219 or 286-0047.

Miscellaneous

BED - queen-size, excel. cond., asking $100. 928-8379.

POOL TABLE - 7'x3½', slate, good cond., $200. 751-5941 eves.

BICYCLE - 10-speed, girl's, 26", $50. Ext. 7185 or 744-6794.

SCREEN DOOR - 80"x32", jalousie w/hinges & screen, $20. 744-5871.

DINING ROOM SET - teak, 6 pieces, tiled buffet, rolling bar, like new, asking $1,950. Al, Ext. 4442 or 929-8411.

STEREO - Hitachi, am/fm, turntable, 8-track, recorder/player, 6 speakers; Texas Instruments computer, TI99/4A, like new. Ext. 3392.

TICKETS - 2, Yankees vs. Baltimore, Sat., Oct. 3, day game, main reserved, $17/pair. Pete, Ext. 4819.

ROLLTOP DESK - antique reproduction, solid oak, 55x30, must see, $1,800. or best offer. 331-4206.

COMPUTER - Commodore 128, 1571, disk drive, printer, modem & various programs, $850. Michael, 585-4038.

COLOR TV - 25" Motorola; coffee table, sewing machine, headboards, desks, chairs, wine rack, couches. 277-4091.

PINE SECRETARY - unfinished, bookcase top needs glass front, bottom needs drawers, make offer. Karen, Ext. 4262.

TABLE SAW - Shopsmith Mark 2, drill press, sander, wood lathe, dado blade, w/attachments. Joe, Ext. 4028 or 821-3669.

DINING ROOM SET - 2 ext., 6 chairs, buffet, china closet, sell for $900; dinette set, 4 chairs, octagon table, china closet, sell for $100. 475-4596.

POOL TABLE - Brunswick, 5'x7', ball return, complete, like new, must see. Helen, Ext. 2601.

GARAGE DOOR - overhead, w/hardware, good working cond., you help remove, $10. Hughes, 286-3301.

BED - twin-size, Davis Cabinet Co., solid cherry, head/foot board, box spring, mattress, excel. cond., $200. Sue, Ext. 4731.

GE WASHER - heavy duty, cost $450., sell for $250. Andy, Ext. 2907.

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

APPLE II+ COMPUTER - 64K, 2 drives, monitor, fan, serial, parallel, u/l case, software, 80 col., asking, $350. Alan, Ext. 2828 or 821-1389.

TABLE SAW - 10", like new. Fraser, Ext. 2043.

STORM DOOR - Elmont 1¼" thick, 37x81½, like new, $95. Wayne, Ext. 5319.

DOOR - 3'x6'8", solid core wood, 1¾" thick, never used. $45. Ext. 4500 or 874-3447.

CAMERA - Keystone AF2, auto focus, auto wind, built-in flash, cost $50., sell for $35. Rick, Ext. 3932.

KITCHEN TABLE - 4 chairs, enamel top, slide-in leaves, $60; 20" girl's bike, $10. 878-6637.

BIKE - Schwinn, 3-speed, good cond., $25. Ted, Ext. 2620.

OAK TABLE - 4 chairs, 2 leaves, corner hutch, new, $1,500. 298-4398.

ABOVE GROUND POOL - Coleco, 12'x36", used 2 seasons, disassembled, good cond., $50. 325-0609 after 7 p.m.

BIKE - man's, 10-speed, $25; riding hat, like new; various toys. Ext. 3723/3125.

TOPSOIL - delivered, 5 yards min., $15/per yard. 924-7746 or 924-9427 after 7 p.m.

COMPUTER - IMB-PC Jr., color monitor, IBM software, manuals, Lotus 123, Wordstar, etc., $350. Don or Sue, 473-6570.

BED - king-size, brass, $400. 363-6940 after 5 p.m.

SEARS WASHER - needs minor repairs, $50. Ext. 4605.

CANARIES - Finches, Cockatiels & cages; Siamese cats & kittens. Ramona, 928-3088.

Yard Sale

E. PATCHOGUE - Parker Lane, 3 and 4, off Durkee Lane, Sat., Aug. 15, 9 a.m.-4p.m. Ext. 4785.

Car Pool

PATCHOGUE - van pool, seat open, leave name & number. Ext. 4669.

Free

SOFA - one broken leg, w/slipcover, good cond., you pick up. Colleen, Ext. 4396 or 929-3573.

Lost & Found

LOST - diamond ring, heirloom, lost at Brookhaven Center, in women's room, July 30, 6-8 p.m., reward offered. Ext. 2434.

LOST - baseball glove, Rawling Dale Murphy, field 1 or 4, early July. Ext. 2621 or 281-0360 eves.

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

MANORVILLE - near LIE, upstairs studio apartment, furn., prive ent., single only, non-smoker, no pets, $350/incl. util., one mo. sec. 878-2038.

CATSKILLS - chalet, on top of mountain, 2 bdrm., fully furn., near Deer Run, Windham, Hunter and Mine Kill State Park, rent by wknd., week or month. Ted, 928-1445 eves.

MORICHES - waterfront, room for rent in shared house, $330/mo. + util. 874-3729.

HAMPTON BAYS - winter rental, Oct. '87-May '88, 2 bdrm. house, fully furn., $440/mo. + util. 728-2104 eves.

HILTON HEAD, SC - 2 bdrm. condo, sleeps 6, beach, pool, tennis, golf, openings Aug. 15-29, $400/wk. 585-9149.

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

N. SHOREHAM - four bdrm. Colonial, 2½ baths, family rm., formal d/r, 2-car garage, basement, patio, fenced, or for rent. 744-1750.

MASTIC BEACH - 5 bdrm. house, 2 bdrm. totally renovated, new heat and electric service, near beach & boating, nice property, about 0.2 acre, $82,500. 744-2821.

E. SETAUKET - 3 Village schools, split level, 4 bdrms., 2½ baths, family rm., deck, on ⅓ acre, partly wooded, $210,000. 928-0281.

POCONOS - 3 bdrm. chalet, l/r, d/r, family rm., w/wood burning stove, kitchen, w/w, garage, paved roads, pools, lake, clubhouse, tennis, guarded entrances, more, sacrifice for $110,000. 286-4652.

CAPE COD - 4 bdrms., 1½ baths, office, w/d, dw, elec. & propane, f/b, c/w, cable, walk to private beach on Nantucket Sound, taxes $600., asking $200,000. Ext. 4107.

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

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

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.

Wanted

BABYSITTER - Commack/Huntington area, start Sept., 5 days a week, references, non-smoker. Debbie, 543-5282.

BABYSITTER - Shoreham/Ridge area, for 5 & 8-year-old children, when school is out. Doreen, Ext. 2456 or 924-7723.

HOUSE TO SIT - caring, reliable, experienced, free any period after Aug. 28. Jack Allentuck, Ext. 2412.

LAWN MOWERS - old, gas, running or not. Dan, 698-7322 days, Ext. 4987 eves.

DEHUMIDIFIER - Ben, Ext. 4299/4055.

ROOMMATE - to share house. 399-4057.

HOUSE TO SIT - free, reliable, any time. Denise Miesell, Ext. 4962.

ROOMMATE - to share 2 bdrm. apt. Ext. 4962

HELMET - BMX racing, size small. Pete, Ext. 4819 or 289-7218.

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

Classified Ad Policy

Deadline is 4:30 p.m. Friday for publication Friday of the following week.

1. The Brookhaven Bulletin's classified section may be used only by active and retired Laboratory employees.
2. All items for sale or rent must be the advertiser's property.
3. Ads for material acquired for resale in association with a full or part-time business cannot be accepted.
4. Ads for the sale or trade of firearms will not be accepted.
5. Ads not carried because of space restrictions will be held for publication in the next issue.
6. Ads are run only once and must be resubmitted if they are to be repeated. One ad per person per week.
7. **Property for sale and rent cannot be accepted on this form. Special Real Estate Ad Forms are available at the office of the Brookhaven Bulletin, Building 134.**

☐ For Sale: Autos & Auto Supplies ☐ For Sale: Miscellaneous ☐ Lost & Found ☐ Free
☐ For Sale: Boats & Marine Supplies ☐ Car Pools ☐ Wanted ☐ _____

Please print your ad below in 15 words or less using one word per block. Include name and phone number to call.

Note: The following must be completed for your ad to appear.

NAME (Please Print) .....

Employee's Signature ..... Life No. ..... Ext. .....

Send to: Brookhaven Bulletin, Building 134 (Ext. 2345).