BROOKHAVEN BULLETIN
Vol. 35 - No. 6 February 13, 1981
BROOKHAVEN NATIONAL LABORATORY

William Hillman

W.S. Hillman Dies

William S. Hillman, Senior Plant Physiologist in the Biology Department, died at the age of 51 on February 9.

His scientific career was devoted to plant physiology, photoperiodism, biological rhythmicity and biological timing. He did research on special effects of light on plant growth and development, and growth and nutrition of aquatic plants for energy/biomass uses and water pollution control. Hillman was author or co-author of nearly 100 scientific publications.

He held a Ph.D. in Botany-Plant Science from Yale, and was an Assistant Professor at that university before coming to Brookhaven in 1962.

Hillman was a former member of the Brookhaven Council and was an Adjunct Professor at SUNY, Stony Brook. He was a Fellow of the American Association for the Advancement of Science, a member of the American Society of Plant Physiologists (President, 1973), the American Institute of Biological Sciences, and the American Society for Photobiology. He was also an elected Fellow of the Explorers Club.

Hillman was active on the editorial boards of several journals, and was also fond of writing letters to editors, poems and general articles on science. In an article in Plant Growth Regulator (1977) he wrote about the job of the responsible biologist:

> Unfortunately, some of us occasionally do succumb to the pleasures of undoubting advocacy. We may be all too ready to satisfy the otherwise sensible senator who openly called for "one armed" scientists, scientists who would not constantly keep saying "on the other hand." On the contrary — I believe we *must* continue to use both hands, or we will forfeit any right to be listened to and trusted.

Hillman is survived by his wife, Esterina Velardi. Contributions in his memory can be made to the American Lung Association, specifically for emphysema research.

House Watch

Auxiliary heat needed by the Brookhaven House in January to maintain a 68°F inside temperature was consistent with the December performance reported last month. Following are degree-days (DD) for the two months and the estimated heating oil use if the house had been heated by oil (instead of electric resistance) and occupied by a family of four.

December	1123 DD	49 gal.
January	1409 DD	64 gal.

Samios, Blume and Schwarzschild Appointed To New Posts

A number of important changes take effect next week in the administration of the Laboratory, and the emphasis is on physics.

Nicholas P. Samios, chairman of the Physics Department, will assume the newly created post of Deputy Director for High Energy and Nuclear Physics. All programs in this area will come under his jurisdiction, including planning for the scientific programs of ISABELLE. Samios will also have primary responsibility in the Director's Office for the Physics and Accelerator departments, as well as Instrumentation and Central Shops.

On his appointment, Samios said, "Brookhaven's prominence on the international and national scene is primarily due to the excellence of research programs accomplished by individuals at the Laboratory and their university friends, and to the construction of forefront research facilities that shape the direction and ensure the success of these research programs. It is my intent to continue and enhance the scope and prominence of such activities."

Samios has been at the Laboratory since 1959 where his career has been devoted to high energy particle physics. He is particularly well known for his discovery of the Omega minus particle, and the first charmed baryon. These major discoveries have played an important role in untangling symmetries underlying the particle spectrum. For his work, Samios was named a winner of the 1980 E.O. Lawrence Award, and last year also received the New York Academy of Sciences Award in Physical and Mathematical Sciences.

He is no newcomer to administration, having led the Nuclear Interactins Group (now Omega Group) from 1965 to 1975, and chaired the Physics Department for the last five years.

In the planning of scientific programs and policy, Samios has served as an advisor to SLAC, Lawrence Berkeley Laboratory, Fermilab and DOE, and was chairman of the APS Division of Particles and Fields. He is an adjunct professor at his alma mater, Columbia University.

Also stepping into a newly created position is **Martin Blume** as Associate Director for Low Energy Physics and Chemistry. He will oversee the Laboratory's programs in solid state, materials, chemical and nuclear sciences. In the Director's Office, he will be responsible for the Chemistry Department, Applied Mathematics, the Reactor Division and, when it becomes a division in October, for the National Synchrotron Light Source.

Blume says his main job will be to direct scientific programs across departmental lines, in cooperation with department chairmen. For example, he notes that materials science research is carried out at DEE, Physics, the HFBR and the NSLS, and he plans to advance scientific interaction among these groups.

Blume joined the Physics Department in 1962. He was group leader of solid state theory for seven years prior to becoming head of solid state physics in 1975. In that year he was also appointed Deputy Chairman of the Physics Department, a position he held until late 1978 when he was assigned to head the Synchrotron Radiation Scientific Program. In the last two years, Blume has devoted full time to the Laboratory's plans for scientific use of the NSLS.

Currently, Blume is on the review panel of the Stanford Synchrotron Radiation Laboratory, is BNL's representative on DOE's Basic Energy Sciences Laboratory Program Panel, and is chairman-elect of the National Academy of Sciences' Solid State Sciences Committee.

Nicholas Samios

Martin Blume

Arthur Schwarzschild

Arthur Schwarzschild, deputy chairman of the Physics Department, will now assume the chairmanship for a period of five years. An experimental nuclear physicist, Schwarzschild has been on the staff of the Physics Department since 1957. He has long been associated with the Tandem Van de Graaff facility, both in its assembly and subsequent research. In 1973 he became Associate Group Leader of the Tandem Research Group in charge of users' support, and is chairman of the Program Advisory Committee of the Tandem Outside Users Group.

As Deputy Chairman of the department since October 1978, Schwarzschild has been responsible for all personnel and budgets in nuclear physics. In 1979, he was appointed by the Director to head a committee to study the Lab's salary and wage structures and procedures. The Schwarzschild committee recommendations resulted in new salary structures and classifications, and improved communication procedures.

In his new post, Schwarzschild says he is looking forward in particular to "the exciting involvement at the Light Source by solid state physics groups, the new initiative in hyper nuclear physics at the AGS, and the research at TRISTAN."

Schwarzschild has recently been appointed to the DOE/NSF Nuclear Science Advisory Committee and to the Physics Visiting Committee at Argonne.

Focus on Black History - Part II

Can you match these black Americans with their achievements?
(answers on page 3)

1. Malvin R. Goode
2. George F. Grant
3. Patricia Harris
4. Augustus Jackson
5. Rev. Jesse Jackson
6. John H. Johnson
7. Charles Jones

A. He created the golf tee.
B. When he joined ABC-TV as a U.N. correspondent in 1962 he became the first black news commentator on network television.
C. He was the only black hostage to spend 444 days in captivity in Iran.
D. He owns and operates the publishing company responsible for such magazines as *Ebony* and *Jet*.
E. He invented ice cream in 1832.
F. He was recently chosen the most outstanding male contributor to the cause of black America by *Ebony* magazine.
G. Under the Carter administration, she was Health & Human Services Secretary.

Service Awards

The following employees received service awards during the month of January.

Thirty Years

Lawrence V. Hankes ..... Medical
Paul R. Hichborn .....Accelerator

Twenty-Five Years

Arthur O. Anderson, Jr. .. Plant Engrg.
Elbert N. Carter .... Safety & Env. Prot.
Joe G. Chow ... Energy & Environment
Charles D. Freeman .....Accelerator
Ralph E. Jackson .....Reactor
Lawrence E. Kukacka ... Energy & Env.
Norman Sutin..... Chemistry

Twenty Years

Robert Aichroth .....Accelerator
Audrey L. Bangel .....Reactor
Michael F. Clancy .....Accelerator
John E. Denes... Applied Mathematics
Joseph H. Dilg .....Accelerator
Patricia A. Gassaway.....Accelerator
Sidney Heller ... Applied Mathematics
Thomas F. Kelly..... Medical
Theodore Lehecka ..... Physics
Hilbert C. Morris ... Plant Engineering
Carl M. Nagle, Jr. .....Accelerator
Beverly J. Nine .....Nuclear Energy
Francis C. Pechar ..... Physics
Otto Peters..... Plant Engineering
Frank Pulka .....Accelerator
Kenneth D. Riker.....Accelerator
Robert W. Safranek .... S. & Env. Prot.
Ernest R. Schmitt.....Accelerator
Arthur E. Scholtz .....Accelerator
William P. Sims.....Accelerator
Herman D. Stelling ..... Central Shops
Michael E. Stone .....Accelerator
Jerry Svoboda ..... Supply & Materiel

Ten Years

Otto H. Jacobi, III..... Physics
Stephen M. Shapiro..... Physics
Shelby L. Williams ... Supply & Mater.

Met Opera Tickets

The following Metropolitan Opera tickets may be purchased at the BERA Film Service Office in Berkner Hall:
Monday, 2/23 Un Ballo in Maschera
Monday, 2/23 Salome
Tuesday, 4/7 Mahagonny
Tuesday, 4/14 Fidelio

Seats for all of the above are located in the Family Circle and are priced at $8.50.

Stony Brook Events

Life Sculpting and Painting Sessions: Fri., Feb. 13 & 20, 7:30-9:30 p.m., Stony Brook Union Gallery. $1. Information: 246-3657, 7107.

Guitarist: Peter Argondizza, Sun., Feb. 15, 8 p.m., Recital Hall, Fine Arts Center. Music of Bach, Villa-Lobos, Tarrega.

Pianist: Charles Staples, Mon., Feb. 16, 8 p.m., Recital Hall Fine Arts Center. Works of Beethoven, Schumann, Chopin, Debussy.

International Folk Dancing: Mon., Feb. 16, 8 p.m., Tabler Cafeteria. Students, $1; others, $2.50. Information: 935-9131.

Pianist and Flutist: Stephen Caputi and Cynthia Wadkinson, Tues., Feb. 17, 8 p.m., Recital Hall, Fine Arts Center. Music of Schumann, Chopin, Debussy, Poulenc, Hindemith.

Films:
The Seventh Seal and *Cries and Whispers*, Tues., Feb. 17, 6 & 9:30 p.m., Stony Brook Union Auditorium. With University student ID, 25¢; others, 50¢.

Flutist: Leonard Garrison, Thurs., Feb. 19, 8 p.m., Recital Hall, Fine Arts Center. Works of Bach, Yun, Gaber, Barszewski.

Graduate Orchestra: David Lawton, Susan Haig, Leslie Eckstein, conductors. Fri., Feb. 20, 8 p.m., Recital Hall, Fine Arts Center. Students, sr. citizens, $1; others, $2. Works of Beethoven, Strauss, Wagner.

Open House for Evening Courses: Information on part-time evening study on graduate level and for those who have completed two years of undergraduate study. Sat., Feb. 21, 1 p.m., N-201 Social and Behavioral Sciences Bldg. Information: Center for Continuing Education, 246-5936; Graduate School, 246-5945.

University Band: Simon Karasick conductor. Sun., Feb. 22, 3 p.m., Main Auditorium, Fine Arts Center.

Crafts Center Workshops Registration: Sun., Feb. 22. Last day to sign up for several workshops beginning week of Feb. 23, Stony Brook Union Crafts Center. Information: 246-3657, 7107.

General Electric's Marshall G. Jones, a former BNL development engineer, examines a motor component that is a candidate for his new copper-to-aluminum laser welding technique. Jones is pictured in his laboratory at the GE Research and Development Center in Schenectady, N.Y.

BNL's First Co-op Student — 20 Years Later

Marshall G. Jones, the Lab's first Co-op student and a former BNL development engineer, was recently awarded his first patent for devising a "laser welding" technique that successfully joins aluminum and copper conductors in a motor.

Jones, a mechanical engineer at the General Electric Research and Development Center in Schenectady, N.Y., said his approach utilizes a single laser pulse to weld the dissimilar conductors that are difficult to join together by conventional techniques. His method holds great promise for reducing the costs of manufacturing motors with aluminum stator windings, according to GE. He was awarded the patent this past September.

In addition, a technique for pulsed, laser-assisted machining, developed by Jones and his colleagues, was the subject of a major article in *Aviation Week & Space Technology* (Sept. 15, 1980). In this process, lasers are pulsed (at the rate of 400 per second) at a rotating metal workpiece on a lathe just ahead of where the tool is to cut. The laser pulses cause portions of the metal to vaporize, and the effect is a uniform perforation of the metal, which facilitates the actual cutting.

Jones joined BNL in 1961 as the first participant in the Co-op program. Over the years, this program evolved into the present four-year college co-op program in effect since 1977. As in 1961, this cooperative venture between BNL and a college or university offers undergraduate students the opportunity to complement their studies with on-the-job experience by spending alternate semesters at the Lab.

As a Co-op student, Jones assisted development engineers in the High Energy Physics Group in designing and fabricating equipment used in particle physics studies. After receiving his B.S. degree in mechanical engineering in 1965 from the University of Michigan, he returned to BNL as a develoment engineer in the same group.

One of his major accomplishments at BNL was devising a high-speed transport mechanism for film used in bubble chambers. (The transport mechanism rapidly advances the film so that many particle emissions can be recorded each second.)

Jones resigned from BNL in 1969 to attend graduate school at the University of Massachusetts, where he received his Ph.D. in mechanical engineering in 1974. Later that year, he joined GE's R&D Center, where his work has been concentrated in two main subject areas: laser material processing and stress analysis of metals.

Working at BNL as an undergraduate was an invaluable experience, according to Jones. "Because of the Co-op program, I had over a year's experience when I started my first job," he noted. "It's hard to put a value on the experience," Jones continued. "So much of it has helped me in my later work."

Jones and his wife Annie reside with their two sons in Scotia, N.Y. His stepfather, Harold Bartlett, is employed in BNL's Supply and Materiel Division.

—Anita Cohen

Arrivals & Departures

Arrivals

Frank Amendola ..... Medical
Mohamad A. Azarm .....Nuclear Energy
Margaret C. Bogosian.....Director's Ofc.
James E. Brower .....Safety & Env. Prot.
John A. Casali ..... Plant Engrg.
Jane M. Guido..... Staff Services
Thomas M. Poole ..... Staff Services

Departures

Kenneth J. Rogers.....Safety & Env. Prot.

In Appreciation

My family and I would like to thank all of you for your caring and kindness at the time of Henry's sudden death.

The cards and flowers were lovely, and thoughtful too were the thoughts and prayers from so many people who had known him.

Edna W. Shute, Joan & Ellen

T. G. I. F.???

Did your alarm clock go on the blink this morning so you didn't get to work on time? Did you spill your morning coffee down your front so you have to go through the day looking like a slob? Blame it on the day.

If you're superstitious, Friday the 13th is a day of misfortune. On this day and date, some people don't even get out of bed.

There are many versions for the origin of Friday superstitions. One of the best known is a tale of Adam and Eve. The story goes that Eve tempted Adam with an apple on Friday, and because he took the forbidden fruit, they both were thrown out of the Garden of Eden. Friday became a fast day on which fish was eaten. In folklore, the apple symbolized woman, and fish was the feminine symbol of fertility.

When Friday is combined with the number thirteen, it's double jeopardy.

In Norse mythology, Freya was goddess of beauty and fruitful love, who rode in a cart drawn by a pair of cats. When the Norse were converted to Christianity, Freya became a witch, and her name-day, Friday, became the meeting day for witches. In a group of twelve, they met in cemeteries, in the dark of the moon. Freya is said to have given the witches one of her cats, making the group thirteen, one source of negative feelings about thirteen.

If you mock those who are superstitious about Fridays or have triskaidekaphobia (fear of thirteen), you might consider joining the Anti-superstitious Society. The organization's purpose, aside from its social interest, is to show a disregard for the superstitions of Friday the 13th.

But if the rest of your day goes poorly, you can always blame it on the date.

Diners Note

The Center Club will be closed Sunday, February 15, the day preceding Washington's Birthday. However, it will be open on Monday evening, February 16 at 5:00 p.m.

The Cafeteria will be open from 9:00 a.m. until 2:00 p.m. on Saturday, Sunday and Monday, February 14, 15 and 16.

The Vended Food Service in Building 912 is in operation continuously.

Pick A Student

Scientists wishing to sponsor a summer student can review applications in the Office of Scientific Personnel, upstairs in Building 460, from Thursday, February 19 through Friday, February 27.

Selected Reading

Saturday Review 8 (2) February 1981
Art stars for the Eighties. Carter Ratcliff. 12-20.

U.S. News & World Report 90 (5) February 9, 1981
Health care at home: a booming market. Bonnie Nance Frazier. 68.

Nature 289 (5795) January 22, 1981
Large electron project: Swedish cloud. Judy Redfearn. 215.

Science News 119 (4) January 24, 1981
Passive smoking and cancer. 53.

Lecture Reminder

Lloyd Schairer, Biology Department, will present the next Brookhaven Lecture, "Worrywort, Spiderwort or *Tradescantia*," at 8 p.m., Wednesday, February 18, in Berkner Hall.

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Published weekly
for the employees of
BROOKHAVEN NATIONAL LABORATORY

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CARL R. THIEN, Public Relations Officer

Think Spring!

An early Spring — what would you spring for it?

How about $3.00? That's the price of one ticket to "Think Spring," BERA's Special Event slated for Friday, February 27, at 8:00 p.m. in Berkner Hall.

Guaranteed to "put some *spring* in your life" almost a month early, the evening is called a special event because it is so many events in one: a dance, live entertainment, good food and drink.

Dance music will be provided by the Newports. Led by BNL's Charlie Zien, this band can deliver any beat on demand.

The host for the evening's entertainment will be Joseph Indusi. Among the acts scheduled are a preview of Woody Allen's play "God," the next performance planned by the BERA Theatre Group; original banjo music about BNL performed by Karl Swyler; a vignette by Janet Sillas; and a skit featuring W.C. Fields and Mae West, as portrayed by Bill Love and Sandi Lane.

Free snacks will be available throughout the evening. Accompanying beverages can be purchased at the cash bar: mixed drinks, $1; beer and wine, 75¢; soda, 25¢.

To buy a ticket for an early spring, contact your BERA building representative or stop in at Berkner Hall during lunchtime through February 20. For additional information, call Liz Russell, Ext. 3940.

Equipment Demo

Vero Electronics, Inc., manufacturer of card racks and general packaging products, will show a representative product selection at Berkner Hall, Thursday, February 19, from 10 a.m. — 4 p.m.

R/C Aircraft Club

Members of the Radio Control Model Aircraft Club will meet in Room A, Berkner Hall at noon on Monday, February 23. Plans for an indoor show will be discussed and dues for 1981 will be collected. For information, call Manny Santos, Ext. 2022.

Wanted - Fast Women

The BNL Roadrunners are looking for women of any age to participate in the Northport Runners Cup Challenge at Sunken Meadow, Saturday, February 28, at 9 a.m. Each runner will run two miles as part of a 6-person team (4 males, 2 females). This is an important race as the Roadrunners are out to defend the cup they won last year. Call Jeanne Penoyar, Ext. 2634, or Gus Prince, Ext. 2901.

Swimming Pool

Schedule

Monday through Friday:
11:00 a.m. to 1:30 p.m. — employees only
5:00 p.m. to 9:30 p.m. — employees, families, guests
Saturday and Sunday:
1:00 p.m. to 6:00 p.m. — employees, families, guests

Admission Fees

Daily Tickets:
Employee, Family Member $1.25
Guest $1.75
Season Tickets:
(Valid through 5/10/81)
Individual Membership $20.00
Family Membership $30.00

Season tickets are sold at the pool during open hours. Fees are not prorated.

Guest Ruling

One guest per employee is permitted at the pool. However, advance arrangements may be made at the Recreation Office in Personnel for additional guests, up to a maximum of five guests per visit.

Note: The pool and all other recreation facilities are closed on Lab holidays.

Adult Swim Lessons

A course of swimming lessons, open to all on-site employees and their **adult** dependents, will be given at the pool starting Monday, February 23, at 5:15 p.m. The course will consist of one lesson per week on eight consecutive Mondays.

Registrations are being accepted at the pool during open hours through Friday, February 20. A fee of $15 (checks payable to BERA) will be due at the time of registration.

Heave To!

Boating enthusiasts may be interested in these timely courses.

Safety and Seamanship

The U.S. Coast Guard Auxiliary, Flotilla 18-6, will be offering to Lab employees and their families the Boating Safety and Seamanship Course at Berkner Hall starting March 3, from 6 to 8 p.m. The course curriculum includes the safe way to be, boaters' language and trailering, boat handling, legal requirements, rules of the road and aids to navigation. Classes will be held on March 3, 10, 17, 24, 31 and April 7 in Room C.

Additional subjects can be covered at a later time should students desire to continue. Classes could cover piloting, marine engines, marlinspike, sailing, weather, radio telephone and locks and dams.

If you are interested, please call Lee Bouges, 281-9576 to register or ask questions about the course.

Young Boatman's Course

Old Field Point Power Squadron will be sponsoring the N.Y. State Young Boatman's Course this spring in conjunction with the Village of Port Jefferson, which provides the facilities.

N.Y. State law requires all youngsters between the ages of 10 and 16 inclusive to take this course in order to operate a boat alone on the waters of the state. The course is given on four consecutive Saturday mornings, beginning March 7, from 9 to 11 a.m. at the Port Jefferson Village Hall, West Broadway, Port Jefferson. Attendance at all four lessons is required for a student to receive a Safety Certificate. There is no fee for the course.

"Las Vallas" by Mariette Sanders is an 18x24 inch intaglio print which is representative of the work that will be exhibited at the BERA Art Show. An intaglio print is made from the cuts, rather than the surface, of an etching or engraving.

The Graphic Eye

Prints from the Graphic Eye, a cooperative gallery for printmakers in Port Washington, will be featured in an art show to be sponsored by the BERA Art Committee this month.

Everyone is invited to the opening of the exhibit next Tuesday, February 17, at 5 p.m. in Berkner Hall. Thereafter, the show will be open weekdays from 11:30 a.m. to 2:30 p.m., through February 27.

The Graphic Eye was established six years ago by a group of Long Island artists. The non-profit gallery now has 25 members and a show room at 111 Main Street in Port Washington. Two members, Joan Rogers and George Wybenga, are from Suffolk County and have had their works hung in the Laboratory Hospital.

The artists from Graphic Eye will be showing a wide variety of etched and silk-screened prints at the BNL show.

Cafeteria Menu

Week Ending Feb. 20, 1981

Monday, February 16
Washington's Birthday Holiday
Snack Bar Service — 9:00 a.m. to 2:00 p.m.

Tuesday, February 17

Old-fashioned lentil soup	(cup)	.55
	(bowl)	.65
Baked ham w/raisin sauce & 1 veg.		1.55
Poached filet of fish & 1 veg.		1.55
Hot Deli — Knockwurst	(on bread)	1.60
	(on roll)	1.70

Wednesday, February 18

Pot-au-feu soup	(cup)	.55
	(bowl)	.65
Roast turkey & stuffing w/cranberry sauce		1.55
Meat loaf and gravy w/1 veg.		1.55
Hot Deli — N.Y. style steak hero		1.80

Thursday, February 19

Mushroom soup	(cup)	.55
	(bowl)	.65
Veal Madeline w/1 veg.		1.60
All you can eat! Spaghetti & meat sauce w/garlic bread		1.50
Hot Deli — Monte Cristo		1.70

Friday, February 20

Seafood chowder	(cup)	.60
	(bowl)	.70
Breaded fish filet & 1 veg.		1.55
Eggplant parmesan & 1 veg.		1.50
Hot Deli — Pastrami	(on bread)	1.65
	(on roll)	1.75

Vollyball

Standings as of 2/9/81

A Division	
Mixed Ups	6-0
No Names	6-0
High Society	2-4
Las Bolas	2-4
Nuts & Bolts	2-4
Kings Court	0-6
B Division	
Oh Nos	5-1
TNT	4-2
Lemufs	3-3
Puff & Stuff	3-3
Leftovers	2-4
Semi Tough	1-5

Mixed Ups over Las Bolas, 15-13, 15-13, 15-10. No Names over Kings Court, 15-1, 15-6, 15-5. High Society over Nuts & Bolts, 15-4, 15-5, 11-15.

Oh Nos over Puff & Stuff, 15-12, 11-15, 15-7. TNT over Leftovers, 15-11, 15-13, 5-15. Lemufs over Semi Tough, 12-15, 15-5, 15-7.

Bowling

Pink League

Karen Alberico had high series for the night with a 471. Good games were bowled by Ellie Kristiansen 170, Millie Connelly 161, Marie Grahn 161, Helen Keeley 161, Fran Nusz 156, Carol Beckner 153 and Dot Marelli 151. The Pinsplitters are still in first place by 3 points.

Purple & White League

The Flounders won all 7 moving them into first place. Jim Griffin rolled games of 221/199/222 for a 642 series. Larry Musso had high game with a 245 and Bob Meier rolled a 609 series with games of 218/194/197. Other good games were rolled by Bill Sells 221, Al Pinelli 221, James Petro 219, Caryl MacDougall 213, Nate Carter 209, Len Kalmar 207, Carol Jacobs 204, Ben Belligan 204, Lynn Boyd 204, Walt Milian 201, Ted Erickson 201, Gerrie Riker 199, Mary Grace Meier 193.

Red League

The 76'ers shut out the Sparks 11-0. The Old Timers won 8-3 in a match with the Trouble Shooters with W. Reams (214) grossing 662, R. Adams 610, R. Smol 601. This Isa Team split 6-5 with the Sandbaggers. M. Iarocci grossed 626. The Freon Loaders took 8 from the Pinball Wizards with L. Schairer grossing 617. The Strangers managed 3 against the Old Timers II with W. Vanzwienen grossing 622. The Light Source took 11 from the Designers with J. Ferrero (201/202) grossing 658.

Green League

The Light Source is still in first place as they took 11 from the Designers. The Old Timers II moved into second as they took 8 from the Strangers with Larry Musso bowling a 208. The Blue Jays took 8 from the Phoubars with D. Stelmaschuk rolling a 213. The Sparks lost 11 to the 76'ers and the Pinball Wizards could only manage three from the Freon Loaders. The Trouble Shooters took 3 also from the Old Timers.

Answers to Quiz

1. B; 2. A; 3. G; 4. E; 5. F; 6. D; 7. C.

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.

The determination of the best-qualified candidate for available positions will be based upon education, experience and other job-related criteria. Such factors will be evaluated and measured against the demonstrable requirements of the available vacancy, as well as the Laboratory's Affirmative Action objectives.

The Laboratory is committed to a policy of Equal Opportunity in its selection and placement of personnel. Its objective is equality of opportunity in employment, training, and promotion without regard to race, color, religion, national origin, sex or handicap.

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, as indicated below. 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.

SCIENTIFIC POSITIONS OPEN: The following staff positions are open. Candidates may apply directly to the department representative named, or through the Office of Scientific Personnel, Ext. 3338.

POSTDOCTORAL RESEARCH ASSOCIATE - Seek recent Ph.D. in Physics or Medical Physics to join research group investigating medical applications of nuclear technology. Contact: Dr. D.C. Borg, Chairman, Medical Department.

LABORATORY RECRUITMENT: Opportunities for present Laboratory employees.

1569. FIREFIGHTER - Previous substantial firefighter experience is required. Completion of New York State EMT course and possession of training certificate is highly desirable, if not, completion of course within one year is required. Must be willing to work shifts at the completion of a thirteen week training period. Safety and Environmental Protection Division.

1570. ELECTRICIAN A, GROUP LEADER - Plant Engineering Division.

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

1571. 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.

1572. ENGINEERING POSITION - Requires a minimum of a bachelor's degree, preferably a master's degree in an engineering discipline or equivalent experience working on energy-environmental assessment problems. Experience in computer programming and knowledge of techniques for modelling of pollutants in the environment is highly desirable. Department of Energy and Environment.

1573. RESEARCH SERVICES ASSISTANT - Requires manual dexterity and ability to learn routine laboratory procedures. Will be responsible for cleaning laboratory equipment, sterilizing glassware and providing general assistance for staff of scientists and professionals. Biology Department.

Autos & Auto Supplies

71 MERCURY MARQUIS - fm stereo, all power. $500. Ron, Ext. 4601 or 281-6630.

75 FORD - Granada, 6 cyl, a/t, a/c, am/fm cassette. complete tune up and brake job. $1,800. Ext. 4743 or 924-9232.

RIMS - 15", and wire spoke hub caps for '76-'79 T-Bird. Vinny, Ext. 7317.

70 OLDS CUTLASS - 4 dr, good basic transp. If you want looks, don't call. $400. Ext. 7317 or 475-8632.

74 CHEVY - V8, C-20, ¾ ton, 4 wd, hyd for plow, new rotors, new brakes. Ext. 4291 or 727-2861 after 5 p.m.

67 JEEP - Intern'l, 4 wd, a/t, runs good but body needs work. $800. Stacey, Ext. 4973 or 283-6836.

76 HONDA - 360CJ. $600. Kathy, Ext. 4615.

77 F150 - 4x4, excel cond, 55,000 mi, w/cap and insert, loaded. $6,200. Tom, Ext. 4048.

72 FIAT SPYDER - 60,000 mi, over $800 into it, could use new roof and seats. $300. Ext. 4812.

74 YAMAHA - 250cc cycle just tuned, mech excel, very clean. $500 or best offer. Ext. 7154.

79 DODGE VAN - 6 cyl, very good cond. $4,500. 924-0617.

RADIO - Dashmate, Sears Best, am/fm stereo, new. $30. 289-0413.

74 CAPRICE CLASSIC - p/b, p/s, a/c, am/fm, reg gas, some repairs needed. $500, negotiable. Ext. 2064.

68 CHEVELLE TRACK CAR - excel cond, 331 pro motor, Ford top loader trans, motor set back, alum fire walls, 5.38:1-12 bolt rear E.T. 11.5 sec. $3,500. Fred, Ext. 4407-35 or 499-1214 after 6 p.m.

69 FORD GALAXIE - 2 dr, 390 cu in., good second car. $700. 286-0205.

78 MIDAS MINI MOTORHOME - 21', sleeps 6, fully equipped, excel cond, 30,000 mi. $11,000. 298-4931 after 6 p.m.

79 CHEVY BLAZER - every option custom extras, 20,000 mi, mint cond. $8,800. Lou, Ext. 4812.

MODEL A BLOCK - no head. Make offer. 325-0447 after 6 p.m.

63 YAMAHA - 250cc cycle, spare eng, many extra parts. $200 or best offer. Ext. 7154.

WEBER CARBS - w/twin adapter manifold and air pump, both for 2,000cc Datsun. Karl, Ext. 4068.

RIMS - (2) 13". $5. 727-5912.

78 SUBARU BRAT - 4 wd, gold, excel cond. Ron, Ext. 2467 or 924-8644.

TIRES - Dunlop SP-68 radial, 155SR14 almost new, off MGB6T. Bob, Ext. 3565 or 924-9210.

MOTORCYCLE - 1952 Indian Road Master 80 c.i., 1344cc, totally restored, all original, mint cond. Show Bike. 757-2178.

77 DODGE - Ramcharger, 4 wd, many options, reg gas, 14 mpg, priced to sell. Asking $3750. Sheldon, Ext. 3354.

Miscellaneous

ANTIQUES - (2) wooden iceboxes; (3) steamer trunks; misc. wine jugs & crocks. 669-9234 after 6 p.m.

TICKETS - (2) to the Boston Symphony Orchestra under Ozawa at Carnegie Hall. March 5, 1981. Ext. 3922.

RANGE HOOD - gold. $5. Ron, Ext. 4601.

WHITE SOFA - excel cond. $250. George, Ext. 4159 or 472-1518.

DELUXE SLR CAMERA CASE - holds 2 lenses & access, brown, excel cond, hardly used. $20. 669-9482.

CAMERA - 35mm SLR, 50 mm lens, 135 mm telephoto lens, 24 mm side, angle lens, auto. Recharge, flash. Ron, Ext. 2491.

TICKET - to Golden Dome Volleyball Classic, Sat. March 7. Kristin, Ext. 3372.

8 TRACK PLAYER - Realistic, excel cond. $30. Ext. 3431 or 744-9677.

CHRISTMAS TREE - 6½' Adirondack; full sz. bed w/bookcase headboard; electric can opener/sharpener; washer & dryer. 751-5539.

CAST IRON - Krischer cookware, 8 & 10" skillets, Dutchoven, 1-2-and 3 qt. sauce pans, rectangular griddle, excel cond. 744-5161 wkday eves.

ICE SKATES - Baur hockey, like new, sz. 9, $20; figure ice skates, boy's sz. 4, good cond, $12. Bob, Ext. 4279 or 878-1731.

CHAINSAW - Sears, gas, 18", used twice. $200. Russ, 981-6780.

MOTOR CYCLE JACKET - Black leather, sz. 46, like new. Cost $160, sell $70. Sheldon, Ext. 3354.

PUPPIES - Irish Setter/Black Lab, adorable, males & females. FREE. 369-2668.

SNOW PLOW - 6' blade, complete w/motor, hydraulics, good cond. $325. Glenn, 289-0413.

CHILD'S DRESS - sz. 12, new, $10; vacuum electrolux, $30. Ext. 2050.

DISHWASHER - GE, SS front, good working cond, 10-12 yrs. old. $25. or best offer. Paul, Ext. 4665 or 727-4859.

REFRIG/FREEZER - 14 cu. ft, GE-TB14S harvest gold, 6 yrs. old. $150. 878-4882.

HEATER - Kerosene infra. red, Energy Mart Model No. EM-M221, 9,880 BTU. $175. Lou, Ext. 4615.

LLOYDS - 8 track stereo recorder deck. $50; Sony stereo tape recorder, TC-252D, $100. Ext. 3147 after 4 p.m.

DOLOMITE SKI BOOTS - women's sz. 8 (approx. sz. 7 shoe) excel cond, worn once. $100. or best offer. JoAnn, Ext. 2663 or 286-0745 eves.

ORGAN - Hammond piper, auto chord, single keyboard, multi instrument, rhythm box. $450. 298-4931 after 6 p.m.

LIVING ROOM - 10 pc. set Ital. Prov. (3) tables, (3) Chairs, (3) brass lamps, (1) 7 ' sofa, mint cond. Best offer. Ext. 2065 or 981-1327.

SNOWBLOWER - Ariens, excel cond. $350. 581-7656.

KEROSENE HEATER - Noble Warm Knight, 9,000 BTU's, removable tank, never used. $148. Ron, 581-0468 eves.

SIBERIAN HUSKY PUPPIES - 3 males, 2 females, 7 wks. old. AKC. 369-1192 or 878-0461.

COLONIAL HANGING LIGHT - Brass & milkglass, five lights, excel cond. $50. I. Merritt, 589-5126.

SKI BOOTS - ladies sz. 7, used, maroon. Asking $20. Ext. 3558 or 473-0484 after 6 p.m.

SKI BOOTS - men's 8½, new LeTrappeur, $40. Ext. 4727.

TYPEWRITER - antique Remington Model 10, manual, 1940's era, excel cond, works; French books. Dennis, Ext. 4259 or 736-2534 eves.

TV - 19" motorola black & white portable, very good cond. $30. 589-5126.

LP GAS FURNACE - 49,000 BTU, good for sm. house, garage, workshop. $75. Worth much more. 399-0132.

FIREPLACE SCREEN - self standing, 32x50, $10; ice skates, girls sz. 2, $7. Jim, Ext. 3372.

COCKATIELS - female, grey w/cage, $55; male pied w/cage, $65. $100. takes all. 732-2102.

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

DELAWARE - 1 + acre, high, level, good road, approx. 5 mi., west of Smyrna. Low taxes. 325-1961.

MEDFORD - 20 yr. old hi-ranch, 1.2 acres, 2-3 bdrms, eik, playrm, laundry rm, 2 baths, central a/c, 2 car garage, patio deck, in ground sprinkler system. Asking $55,000. Owner will hold mortg. at lower than current rates. 286-1709.

WESTHAMPTON AREA - mobile home 12'x60', 2 bdrms, eik, stove, refrig., washer/dryer, laundry rm, 2 tool sheds, porch patio, wooded landscaped area. $10,500. 325-1112 after 5 p.m.

BELLPORT VILLAGE - 3 bdrm Hi-ranch, l/r, f/r, den, lg. eik, att. garage, deck, 1½ baths, short walk to Kreamer St. schools. $42,000. Financing available. 286-8166.

For Rent

MIDDLE ISLAND - 3 bdrm. Colonial, 260' on Carmen's River, swim, fish, boating. Quiet-"no thru street", entertaining area: kit, l/r, d/r, dish washer, washing machine/dryer. $500. 924-3755 or 473-7223.

N. SHIRLEY - attractive apt. furnished, priv. entr, util. incl., excel location, 5 min. from Lab & stores, mature working gentleman, security. $285/mo. pays all. 281-8044.

GREENPORT - 1 bdrm apt, outdoor porch, carpeted, $200/mo. plus util; 2 rm. studio apt. separate kit., $160/mo. + util. 1 yr. lease. 757-8898 after 6 p.m.

HAUPPAUGE AREA - apt. to sublet from late March thru. July. $397/mo. 234-0311 after 5 p.m.

MASTIC BEACH - 3 bdrm ranch, panelled, carpeted, Florida-rm/den w/fp. Private, quiet. $350/mo. + util. 399-0132 or Ext. 7235 Tues. thru Thurs. Susan.

MIDDLE ISLAND - Spacious furn. room in quiet home & neighborhood. Some privileges. 15 min. from Lab. 698-4622.

Wanted

'65 DODGE - std. transmission, 3 spd, 6 cyl, needed for student. Ray, 727-3608.

HAM RADIO GEAR - for Low/Med power HF-CW. Heath, Johnson, Hammarlund or? Bob WA2EMF, Ext. 7653.

SKIERS - to ski 1 day Catamount Mt. Feb 28. For Info call Bea, Ext. 3571.

CAMPING EQUIPMENT - tent, stove, lantern, etc. Ext. 3106.

MATURE WOMAN - to babysit p.t., w/my 8 mo. infant in my home. 286-1444.

RESPONSIBLE TEENAGER - for occasional babysitting wknights & wkends. W. Patchogue area. Own transportation. Ext. 2484 or 289-9560.

BOYS - ages 10½ thru 15 yrs. old for Yaphank Boy Scout Troop. Ext. 4243.

MINWAX STAIN - discontinued color straw. Any sm. amount will help. Ext. 2493.

CAGE - wire, for lg. dog; cat carrier, airline type. Kevin, Ext. 4901 or 924-7283.

FURNISHED APT. - near Lab. L. Forrest, 929-6700.

HOUSE TO RENT - 2 bdrms, starting April 20. Paul, 698-6927 after 5:30 p.m.

HOUSE - Manorville area, good cond, few neighbors, 1 acre, $40,000. Rick, Ext. 7102.

RIDE - needed on 2/19/81 to & from BNL from Wells Pontiac in Peconic. Pay gas. Bob W. Ext. 7197.

APARTMENT - 1 bdrm in Huntington/Pt. Jefferson area, for around $300. Call Anand, Ext. 2117.

SEAT BELTS - Toyota, 2 pr, rear seat, non-retracting. Dennis, Ext. 4259 or 736-2534 after 6 p.m.

PRESSURE CANNER - w/gage; 6" thick unfaced fiberglass insulation. Bob, Ext. 3565 or 924-9210.

MATURE WOMAN - to babysit days in our home. Holbrook area. 472-2743.

PERSON - that lives on site to give German lessons. Schedule & price open. Ext. 3005 after 5 p.m.

TRS-80 - or Apple used computer. Jim, Ext. 3372.

COLLAPSIBLE DOG CRATE - medium sz; also sm. boy's bike, strong. Liz, Ext. 2082.

BABYSITTER - Who lives on site, non-smoker please. Mon. to Fri., 8:30 - 5:00 for 10 mo. old. Mona, Ext. 2347.

A GOOD HOME - for a white, alert, spayed, pussycat, young, female & lovable. 744-3792.

Car Pools

COMMACK/E. NORTHPORT - 2 rider-drivers for existing 3 man pool. Ted, Ext. 4030.

RONKONKOMA/BOHEMIA - near Vets Hgwy. Joe, Ext. 4139.

MANHATTAN - West Side or Queens, start or join. Vasilis, Ext. 2676.

E. NPT/NORTHPORT AREA - interested in possible car pool. Bob M., Ext. 2514 or 757-3178.

WADING RIVER - to BNL. 6:00 a.m. will pay for ride. 929-6063.

DEER PARK - to begin or enter, 8:30-5:00, good 6 cyl. John, 667-6164 eves.

RIVERHEAD - paying rider to join existing car pool, must be reliable 8:00 to 4:30 or 8:30 to 5:00. Clarence, Ext. 4636.

PORT JEFFERSON - paying rider wishes to join car pool or van pool. Saed, Ext. 4339 or 924-5509.

LA BONNE VIE/CORAM - want to form car pool to Lab. Sam, Ext. 3453.

Services

Services are listed as a courtesy to BNL employees. They are neither screened nor recommended by the *Bulletin*.

HANDCANE - and fiber rush. Quality work at reasonable rates. Jim, Ext. 3307 or 732-6137 eves.

TAXES - prepared by Tax Consultant, your home or mine. Reasonable. John, 732-2472.

LOOKING FOR MORE TAX SHELTERS - and/or business income? Call for Seminar Info. 732-6647.

SIGHT SEEING FLIGHTS - Aerial photos. Long Island, Conn., New York, Modern all weather Aircraft. Ron, Ext. 2491.

PROFESSIONAL TYPING - Ext. 2484 or 289-9560 after 6 p.m.

FIREWOOD - seasoned split full cords, 1/2 cords & face cords. Delivered. $145 per cord. 363-2614 or 363-6121.

PET BEHAVIOR CONSULTANTS - problem with a pet? Call a professional for advice. 399-3882.

MOTORCYCLE ACCESSORIES - for street & dirt, best prices, Lab discounts. Ext. 2311.

LOG SPLITTING - by machine, no job too big or small, very reasonable. HR2-1875 after 5:30 p.m.

KEROSENE HEATERS REPAIRED - most brands, parts, overhauls. Ron, 581-0468 eves.

AUTO BODY - remove rust, remetal and paint. 698-6706.

WELDING - portable ARC and gas. 878-4556 after 6 p.m.

PIANO TUNING - and repair, reasonable rates and conscientious service. 751-4985.

CARPETS INSTALLED - repaired, quick dependable service. Free estimates. Jim, 821-0187 after 5 p.m.

PILLOWS - custom patchwork by Un-Hee. 736-2534.

INTERIOR PAINTING - custom workmanship. Top quality materials. Insured. Bob, 289-7657 after 6 p.m.

YARD CLEANUP - house painting, cement patching, driveways, walks, fireplace work, reasonable rates, RGS Handyman, Ext. 2050.

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 not carried because of space restrictions will be held for publication in the next issue.
5. Ads are run only once and must be resubmitted if they are to be repeated. One ad per person per week.
6. **Property for sale or 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: Boats & Marine Supplies ☐ For Sale: Miscellaneous ☐ Car Pools ☐ Lost & Found ☐ Services ☐ 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)