

## BNL Honors Four Scientists for Distinguished R&D Efforts

Four members of the BNL's scientific staff were honored in December with the Lab's 1998 Distinguished Research & Development (R&D) Awards.

Laboratory Director John Marburger presented the four scientists — Stephen Dewey, Chemistry Department; William Marciano, Physics Department; Paul O'Connor, Instrumentation Division; and Arthur Sedlacek, Department of Advanced Technology — with their awards.

"It is a great pleasure to recognize the outstanding talent and distinguished contributions of these four researchers," said Marburger. "Their efforts have significantly advanced knowledge and demonstrated the capacity of Brookhaven

National Laboratory to produce excellent science."

As the highest honor within the Employee Awards Program, a Distinguished R&D Award is given in the form of an engraved plaque and accompanied by a pre-tax award of \$5,000.

The award is intended to reward notable contributions to BNL's research and development mission made over one or more years by a member of the scientific staff or an employee on the engineer/scientific associate/computer analyst salary schedule.

Below are summaries of the accomplishment of the four honorees.

### Stephen Dewey, Chemistry Department

Chemist Stephen Dewey has won a 1998 R&D Award for his ground-breaking research in developing the tools of PET for the study of drug addiction, and for discovering the positive effects of certain drugs in ameliorating addictive properties of cocaine, nicotine, heroin, alcohol, and amphetamine.

Said Carol Creutz, Chemistry Chair, "Stephen's vision and originality have influenced the way research in the neurosciences is carried out worldwide. Building on BNL's unique facilities and scientific resources, he has introduced new scientific tools used to investigate some of the most pressing of today's medical problems."

Investigating the role of brain chemicals called neurotransmitters, Dewey was first to show that a change in one neurotransmitter can produce a response in a different neurotransmitter system and that this response can be monitored in vivo by positron emission tomography, or PET.

This research has been recognized as among the most original applications of PET technology. Since Dewey's first publications about it, many research groups worldwide have adopted this way of looking at brain function.

Dewey was also the first to integrate microdialysis and PET to obtain data to support and guide PET imaging studies. These findings have had a major impact on understanding and developing treatments for such conditions as schizophrenia and addiction.

Dewey earned his Ph.D. in anatomy from the University of Iowa in 1985. After completing a postdoctoral fellowship in the Neurology Department at the State University of New York at Stony Brook, he joined BNL in 1986 as Assistant Chemist. He became Associate Chemist in 1988 and Chemist in 1991 and was granted tenure in 1995.

In support of his research, Dewey has earned awards including a 1992 \$750,000 grant from the National Institute of Mental Health, a 1992 \$100,000 Laboratory-Directed Research & Development Program grant from BNL, and a 1993 \$70,000 Established Investigator Award from the National Alliance for Research on Schizophrenia & Depression. In 1998, he was honored with membership in the American College of Neuropsychopharmacology. — Liz Seubert

### William Marciano, Physics Department

On the recommendation of several Physics Department physicists, Senior Physicist William Marciano was nominated for a 1998 R&D Award for his outstanding contributions to the theory of higher-order quantum effects in the weak interaction, and for his lead role in articulating the theoretical implications of the experimental program at the Alternating Gradi-



The winners of BNL's 1998 Distinguished Research & Development Awards are: (from left) Paul O'Connor, Instrumentation Division; William Marciano, Physics Department; Stephen Dewey, Chemistry Department; and Arthur Sedlacek, Department of Advanced Technology.

ent Synchrotron.

Said Physics Department Chair Michael Murtagh, "Bill has made seminal contributions to the field of electroweak radiative corrections and influenced the direction of several large experimental programs. Highly regarded by the high-energy physics community, he is a major spokesman for the field, especially on topics such as neutrino physics, weak interactions, rare decay processes, and anomalous lepton magnetic moments."

After developing, with Alberto Sirlin of New York University, the framework for calculating higher-order quantum effects in electroweak physics, Marciano continued this work with high-precision calculations crucial to the physics program of LEP, the high-energy electron-positron collider at CERN, Switzerland. This accelerator has verified the experimental effects predicted by Marciano's calculations, marking a significant advance in understanding high-energy physics.

Other of his early calculations impacted atomic parity-violation experiments, as well as the decay rate of the proton, thus initiating a series of large experiments that have continued for nearly 20 years. Most recently, his theoretical studies of rare muon and

kaon decays as well as the muon magnetic moment have impacted experiments at the AGS and have demonstrated the vital importance of these programs as probes into new physics.

Marciano received his Ph.D. in physics from New York University in 1974. After six years at Rockefeller University, he became an associate professor at Northwestern University.

He first came to BNL as a research collaborator in 1978, then joined the Physics Department as a physicist in 1981, when he was also granted tenure. Named Senior Physicist in 1986, he led Physics' High-Energy Theory Group, 1987-98. He has served on the High-Energy Physics Advisory Panel to DOE and the Drell panel on the future of high-energy physics.

— Liz Seubert

### Paul O'Connor, Instrumentation Division

Physicist Paul O'Connor was nominated for a 1998 R&D Award for his innovative work in microelectronics, especially in low-noise signal processing systems.

By reducing the random "noise," or unwanted background signals, aris-

ing in electronic circuits, O'Connor has advanced the state of the art of various research detectors, including: PHENIX and STAR at BNL's Relativistic Heavy Ion Collider; ATLAS at the Large Hadron Collider at CERN, Switzerland; x-ray detectors at BNL's National Synchrotron Light Source; and several industry-Lab collaborations.

Instrumentation Division Head Veljko Radeka noted, "Paul O'Connor's outstanding contributions have placed BNL on the map as an important center for low-noise microelectronics. He has earned the respect of peers in electronics for detectors, as evidenced by the reviews to which he has been invited and the numerous scientists and engineers who come to consult with him. He is a key contributor in several projects crucial to both BNL and its international collaborators."

O'Connor's in-depth understanding of noise mechanisms in complementary metal-oxide semiconductor devices known as CMOS transistors and his work on large-scale integration of low-noise circuits have resulted in improved performance in large detectors having tens of thousands of signal readout channels.

Known for his analyses of fundamental limits of performance, he, together with his coworkers, has developed monolithic circuit configurations for silicon detectors, which preserve good energy resolution over a wide range of counting rates and detector leakage currents.

He has also achieved the lowest levels of noise reported for such circuits in the range of a few electrons for very low-capacitance silicon detectors.

Most recently, he has been the lead scientist in developing integrated circuits for the PHENIX time-expansion chamber and the ATLAS cathode strip chambers.

O'Connor and his team are known for their success in reducing the number of processing and design iterations needed to arrive at a functioning device, which is a measure of understanding of integrated circuit design methods.

With a 1980 Ph.D. in physics from Brown University, O'Connor developed high-speed semiconductor devices for ten years at AT&T Bell Laboratories at both Murray Hill, New Jersey, and Reading, Pennsylvania. He joined BNL's Instrumentation as a physicist in 1990 and received a continuing appointment in 1993.

— Liz Seubert

### Arthur Sedlacek, DAT

Scientist Arthur Sedlacek was chosen for a 1998 R&D Award for outstanding achievements in developing Raman scattering spectroscopy into a sensitive tool for the remote detection of chemical pollutants, and for helping to build a first-class research effort in atmospheric-science and national-security technology at BNL.

(continued on page 2)

## Intel Science Talent Search Finalist Performed Research at Brookhaven; To Give Seminar on February 16

One of the 40 high school seniors whose names were announced on Monday, January 25, as finalists in the Intel Science Talent Search, is Nicholas Superina of Smithtown High School, who performed his ecology study in BNL's Gamma Forest.

In following up on the recovery of the Lab's Gamma Forest, which was irradiated by a cesium-137 source and studied from 1961 to 1979, Superina worked under BNL ecologist Jan Naidu of the Environmental Services Division (ESD) and ESD technical collaborator John Black.

As a finalist in America's oldest and most highly regarded pre-college science competition, Superina will travel to Washington, D.C., on March 3, for a week of activities at what is called the Science Talent Institute.

(continued on page 2)

## Dance Club Lessons

Beginners and newcomers to ballroom dance are invited to join the BNL Ballroom, Latin & Swing Dance Club's after-work Wednesday lessons starting on Wednesday, February 10, at 6:30 p.m. in the North Ballroom of the Brookhaven Center.

For eight weeks beginning on that date, the club will offer a one-hour class in samba and International Viennese waltz I, which is the beginning level. The first dance will be taught for the first four weeks, while the second will be learned over the second four weeks.

The cost for the eight-week, one-hour-per-week class is \$25 per person, payable in a check made out to the BNL Dance Club. Since the club only signs up equal numbers of women and men, and since this year more women than men have been wanting to register, women are advised to bring their own partners.

To sign up, contact Marsha Belford, club president, Ext. 5053 or belford@bnl.gov.

## Aerobics Starts Anew

On Tuesday, February 2, the BNL Aerobic Dance & Stretch Club will resume its classes after a one-year hiatus. So, keep your New Year's resolution to exercise by signing up for fun workouts with friendly BNLeers!

All are welcome to participate in the Tuesday and Thursday aerobic dance classes, and the Wednesday stretch class, all held at 5 p.m. in the Recreation Hall in the apartment area. Bring a mat for floor exercises.

Fees are \$35 for any ten classes or \$4 per class. For more information, call Kara Villamil at Ext. 5658 or Pat Flood, Ext. 7688.

## Bridge Club Schedule

The BERA Bridge Club runs a duplicate bridge game every other week. The winter-spring 1999 schedule is as follows: Feb. 11, 25, Mar. 11, 25, Apr. 8, 22, and May 6.

All games begin Thursday evenings at 7:15 p.m. in the cafeteria. For more information, contact Morris Strongson, Ext. 4192, or Willem Van Asselt at Ext. 7778.

## Computing Corner

The Information Technology Division (ITD), formerly known as the Computing & Communications Division (CCD), is offering the following software classes in February and March:

date	course
2/2	Microsoft Outlook
2/3-4	Microsoft Access - intermediate
2/5	Microsoft Outlook
2/10	Power Word*
2/18	Microsoft Outlook
2/19	Microsoft Outlook
2/25	PowerPoint - beginner
3/9	Excel - beginner
3/10	Windows 95 - basics
3/11	Word - intermediate
3/18	PowerPoint - intermediate

\*This half-day class is for intermediate to advanced WordPerfect users who are changing to Microsoft Word. The fee is \$81.50.

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MARSHA BELFORD, Editor  
UZ SEUBERT, Assistant Editor

Bldg. 134, P.O. Box 5000  
Upton NY 11973-5000  
Tel. (516) 344-2345, Fax (516) 344-3358

# 1998 BERA Softball League Champions



**Fine dining energized the Gour-Mets right to the head of the table in League M1: (front, from left) Phyllis Domenech with Gabrielle Domenech, Cheryl Burke, John Biemer, Rickie Mastromateo, Janet Tempel, Patti Bender, Imee Mastromateo; (middle, from left) Claudia Jones, Marsha Kipperman, Gloria DeBoer, Chris Ceresko, John DeBoer, Mary Scheidet, Lois Marascia, co-captain Joe D'Ambra; (back, from left) Steve McAlary, Alan Jones, Bob Marascia, captain Rich Scheidet; and (not pictured) Twig Bender.**



**The Here-for-the-Beers were there for great play and foamed to the top of League M2: (back, from left) Jim Meier, captain Andrea Epple, Bill Behrens; (front) Nancy Barci, Ralph Mevs; (not pictured) John Addessi, Sue Behens, Kerry Bonti, Heather Hartmann, Norm Hartmann, Gary Jayne, Mae Jayne, Glenn Mehl, Tina Mehl, Terri Meier, co-captain Bob Tozzie, and Doug Warren.**

### 1999 Softball Captains' Meeting

All 1998 Softball League captains or their representatives are invited to a meeting on Wednesday, February 3, at noon in Berkner Hall. There, officers for the Softball League's 1999 season will be elected.

For more information, contact Joe D'Ambra, Ext. 2697.

## UNS Registration

The Upton Nursery School (UNS), an on-site, parent-run cooperative not affiliated with the Child Development Center, is registering three- and four-year-olds for the 1999-2000 school year. The school meets three mornings a week in the Recreation Building and is open to children related to BNL employees, guests and on-site contractors. For more information or to register your child, call Michelle Hilton, 744-9443, or Shelly Shumway, 732-1367, or e-mail shellyshumway@yahoo.com.

## Trip to Nascar 500

BERA is sponsoring a one-day trip to the Pocono 500 Nascar Race on Father's Day, Sunday, June 20. The cost will be \$99 per person.

Buy tickets now at the BERA Sales Office in Berkner Hall, Tuesday-Friday, 9 a.m.-1:30 p.m. For more information, call Andrea Dehler, Ext. 3347, or M. Kay Dellimore, Ext. 2873.



**Fantastic play won the Phoubars their first place in League E1: (front, from left) Brett Engman, Chris Ingoglia, John Ingoglia, Keith Greiner, co-captain Guy Mastrion; (back, from left) captain Gordon Smith, Leroy James, Al Boerner, John DiBiase, Paul Infranco, Jim Garrison, Jim Rowehl, Bill Fox, Walt Reams; (not pictured) Jim Desmond, Jim Roesler, and David Verdi.**



**Regardless of the weather, the Mesocyclones whirled in as champs of the E2 League: (front, from left) Dean "Wild Thing" Covais, Bill "The Cat" Murray, co-captain George "Waterboy" McKillop, "Downtown" Mickey Brown; (back, from left) Tim "Mr. Midnight" Morrin, Bill "Bubba" Scura, Scott "Capt. Clone" Reynolds, Jeremy "Up & Coming" Reynolds, Dave "Hit-Dawg" Riley, Ralph "Coach" Izzo, Kipp "Showalter" Hogan, Frank "4-Finger" Nocera, Tom "Moose" Salem, "Pistol" Pete Wichrowski; (not pictured) Mike "Don't Make Me Catch" Cox, Hector "Machoman" Machado, Kevin "The Rock" Murray, and Mike "Wile E. Coyote" Wyllie.**



**The all fired-up Surefires surely won very heated battles to claim victory in League E3: (front, from left) Joe Devoe, captain Steve Eckhoff, Scott Krsnak, co-captain Dan Carneiro, Don Zaharatos; (back, from left) Dennis Joyce, Ron Mayo, Al Liotta, Dan Galligan, Tony Mantone, Greg Meyer, Boyze Singh, Greg Stawski; (not pictured) John Berry, Bob Danowski, Ed Diaz, Steve Ficner, Jerry Magee, Phil Rizzo, and Frank Trapani.**

## Volleyball

League standings as of January 22

Open League A		Mixed League 2	
Death Volley	25-8	Safe Sets	29-4
Spikers	19-14	Spiked Jello	29-4
Far Side	15-18	Monday Nite Live	25-8
Shank, Cary & Throw	7-26	In Sideout	16-17
		How-Bout-Dis	14-19
		Setups	8-25
		Nuts & Bolt	6-27
		Just-4-Fun	5-28
		Mixed League 3	
		Upton Ups	28-2
		Group Sets	22-8
		Six Samurai	16-11
		NWO	10-17
		Net Setters	5-25
		Butlers	3-21

## Volunteers Needed

Healthy men and women who are 20 or more years of age are needed to volunteer for on-site brain-imaging studies. Supervisory approval is required. Subjects will be paid for their participation.

For more information, call Naomi Pappas, Ext. 5015.

## Bowling

**Red and Green League - 1/5**  
R. Mulderig Sr. 242/236/200/678 scratch series, J. Griffin 241/225/222/688 scratch, T. Sullivan 246/235/659 scratch, K. Asselta 246/201/639 scratch, R. Mulderig Jr. 236/203/616 scratch, J. Sullivan 225/201, O. Mirjah 220/217/632 scratch, F. Wahlert 245, R. Raynis 224, M. Meier 232, E. Sperry III 214, E. Larsen 210, A. Pinelli 204, K. Koebel 202, E. Meier 201.

**Red and Green League - 1/19**  
J. Griffin 257/255/246/758 scratch series, R. Mulderig Sr. 235/215/205/655 scratch, K. Koebel 206/204/202/612 scratch, M. Meier 244/242/658 scratch, R. Mulderig Jr. 236/205/611 scratch, M. Grau 209/200, N. Besemer 234, G. Miltenberger 233, F. Wahlert 232, A. Pinelli 214, B. Yanofsky 204, E. Sperry III 203, R. Raynis 200.

**Purple and White League - 1/7**  
G. Mehl 246/201/621 scratch series, P. Callegari 233/188, J. Zebuda 214/213, B. Mullany 214/191, M. Guacci 189/186/184, Don King 188/183/180, T. Blydenburg 225, C. Johnson 201, T. Mehl 203/172, M. Yanez 199/188, J. McCarthy 203, B. Rothe 200, J. Gormley 189, G. VanSickle 184, A. Scocca 183, J. Addessi 180, F. Simes 173.

**Purple and White League - 1/21**  
M. Meier 266/218/211/695 scratch series, J. Zebuda 222/195/192/609 scratch, M. Guacci 227/198/604 scratch, M. Simes 203/182, L. Simes 200/170, J. McCaffrey 195/189, G. Mehl 190/189, Don King 184/180, J. Holmstrom 211, T. Dilgen 202, S. DiMaiuta 202, M. G. Meier 198, C. VanSickle 198, S. Logan 197, K. Burns 193, B. Rothe 192, T. Mehl 191, L. DiPierro 190, N. Fewell 188, Donna King 187, M. DiMaiuta 182.

## L.I. Firms, BNL Buyer Honored at Lab's Business Fair

At the Lab's seventh Small Business Conference held last November, Laboratory Director John Marburger (second from right) and Dennis Hall (third from left), who is the small/small disadvantaged business liaison within the Division of Contracts & Procurement (DCP), presented awards to two small, minority-owned Long Island businesses: Laser International of Melville and Power Resources International of Farmingdale.

Syed Ali (first on right), president of Laser International, received an award for his company's outstanding professionalism, dedication and timeliness in servicing the BNL account over the last two years.

Scott Bopal and Victor Ancelson (first and second from left) of Power Resources International accepted an award for their company's outstanding growth through Brookhaven's

mentorship program during 1997-98. The Lab offers training on how businesses can supply BNL and other federal contractors with needed goods and services.

In addition, DCP buyer Fred Rodriguez (third from right) received an award for excellence in supporting small, minority-owned businesses.

The goal of the biennial conference is to promote a supportive relationship between the Laboratory and the small business community. Over 100 small businesses attended the conference, which was



Roger Stouvenburgh

organized by Hall. In 1998, Brookhaven spent more than \$68 million on various goods and services purchased from small businesses (see below story).  
— Diane Greenberg

### R&D: Sedlacek (cont'd.)

Commented Department of Advanced Technology (DAT) Chair Robert Bari, "Under Arthur's leadership, the Detection Systems Group [DSG] in DAT's Global Security Division is addressing issues in basic atmospheric science, environmental science, pollution detection, as well as building an international reputation in remote detection of chemical species of interest to the nonproliferation and arms-control verification community. His efforts and inventiveness have made optical science and technology a major growth area for both basic and applied research at BNL."

As a founding member of DSG, Sedlacek participated in its first major assignment: to develop and demonstrate remote-sensing technologies to detect and identify chemicals from afar. After developing tools which use the phenomenon of Raman scattering, Sedlacek focused on projects for which this technique's characteristics are uniquely suited.

One such application is monitoring pollutants in the atmosphere or emissions from smoke stacks. Another is detecting chemical and, potentially, biological agents at ranges of 3 to 50 meters in an urban environment under weather conditions that include high humidity and rain, as moisture interferes with other techniques.

Sedlacek helped develop a portable Mini Raman Light Detection & Ranging (LIDAR) system, which was one of only five DOE-supported technologies with forensic and law enforcement capabilities selected for a 1998 demonstration to Vice President Al Gore.

In addition, Sedlacek developed RaDIAL, a chemical-detection technique for monitoring airborne pollutants at long ranges that can be used under less-than-ideal atmospheric conditions.

Sedlacek earned his Ph.D. in physical chemistry at the University of Utah in 1988 and joined the Chemistry Department as a chemistry research associate in January 1989. He transferred to the then Department of Nuclear Energy, now DAT, as an associate scientist in 1994 and was named Scientist and DSG leader in 1996.

— Liz Seubert

## Arrivals & Departures

### Arrivals

**Matthias Grosse Perdekamp** .. Physics  
**Sarah G. Howard** ..... Info. Services  
**Helga Pieper-Howeling** ..... Env. Res.  
**Lothar E. Weissfloch** ..... Medical  
**Departures**  
**Ronald Brewer** ..... Central Shops  
**Patrick W. Kelso** ..... Reactor  
**Edward F. Meier** ..... NSLS  
**Yizhak Orion** ..... Medical

## BNL Spent \$28M on L.I. in FY 1998

The Lab purchased almost \$28 million worth of supplies and services from Long Island businesses in fiscal year (FY) 1998, the period from October 1, 1997, to September 30, 1998.

In 1998, the Lab made 8,550 individual purchases on Long Island. Out of those, 6,035 totaling about \$24 million were made in Suffolk County, and 2,515 amounting to \$3.8 million were made in Nassau County.

Mary-Faith Healey, Manager of the Division of Contracts & Procurement (DCP), which handles BNL's purchasing, said, "As a member of the Long Island community, Brookhaven is committed to working in partnership with local suppliers who support the Lab's scientific mission by providing quality goods and services in a timely manner."

Electronic components used in various scientific facilities; general construction, such as the building of a new facility to store salt for use on icy roads on site; and environmental testing, remediation and protection services accounted for many of Brookhaven's purchases during FY98.

For instance, Brookhaven paid KC Electronics of East Setauket \$1.5 million for electronic parts, Delta Well of Ronkonkoma \$1.2 million for well-drilling, and Carter Melence of Sound Beach \$1.2 million for general construction.

In addition to BNL's buying goods and services from Long Island vendors, most of Brookhaven's 3,100 employees live in Suffolk County and do most of their shopping on Long Island. All told, employee salaries, wages and fringe benefits accounted for about 62 percent, or \$249 million, of the Lab's total FY98 budget of approximately \$400 million.

— Diane Greenberg

## Main Gate Access For Visitors, Vendors

Access to BNL is controlled by permitting entrance only to those persons who have official business at the Lab and only to those visitors who are properly sponsored.

Thus, to avoid having vendors and visitors delayed at the Main Gate while the purpose of their visits is being verified, the Safeguards & Security Division (SSD) asks that employees who sponsor vendors and visitors inform the division at least 24 hours before their guests' arrival. The 24-hour lead time is needed to compile a visitor log used at the Main Gate and indexed by date, arrival time, event, and sponsor's name.

Thus, during normal business hours 24 hours in advance of a visit, sponsoring employees should provide SSD with the following information: the name of the visitor, the date of the visit, the approximate arrival time, the name of the event being attended or reason for visit, and the name of the visitor's sponsor and that person's extension.

During the usual weekday business hours, send this information to SSD, Bldg. 50; fax it to Ext. 5688; or phone it to Ext. 4271 or 4177. To notify SSD during other hours, come to Police Headquarters in Bldg. 50, fax Ext. 5457, or phone Ext. 2238 or 2239. Due to the volume of visitors, do not call the Main Gate with this information.

When a visitor arrives, SSD patrol officers at the Main Gate may announce the visitor's arrival by calling the sponsoring employee.

## Intel Finalist (cont'd.)

While there, the Smithtown senior's project will be judged along with 39 others through rounds of presentations and interviews with scientists expert in various disciplines.

To prepare for this experience, Superina will present a seminar on "The Gamma Forest at Brookhaven National Laboratory: A Geobotanical Analysis," on February 16 at 10:30 a.m. in the Hamilton Seminar Room in Chemistry, Bldg. 555. All interested are invited to attend.

On March 8, the ten winners will be chosen, and \$330,000 in college scholarships will be awarded; the top prize is a \$50,000 four-year scholarship.

The 40 finalists were selected from among the 300 semifinalists who had been announced on January 11 and picked from among 1,470 applications submitted from 556 high schools.

The semifinalists included Ward Melville High School senior Adam Kaplan, who is the son of BNL's Ed Kaplan of the Department of Advanced Technology and whose project was "The Function and Development of Synaptic Receptor Channels in Frog Skeletal Muscle." Kaplan and the other semifinalists are honored with certificates and recommendations to select colleges and universities for admission and financial assistance.

Intel, the world's largest computer-chip maker, assumed sponsorship of this 58-year-old competition, which was formerly known as the Westinghouse Science Talent Search, from Westinghouse Electric Corporation in 1998.  
— Marsha Belford

## Little Flower Thanks DCP

Being excellent at making purchases, being in the holiday giving mood and having lots of community spirit, staffers in the Division of Contracts & Procurement (DCP), along with DCP retiree Mabel Evans, RHIC's Jim Mills and BERA referee Brian Morris, bought four VCRs and packs of batteries for the children living on the Wading River campus of Little Flower Children's Services of New York.

Established 70 years ago, Little Flower provides group-home care for children in need from throughout the metropolitan area.

The gifts were presented to Little Flower's recreation director Tom Hughes on December 21 by DCP's Sharon Atkins, Terry Buck, Rosalie Piccione, Jack Russell and Barbara Simpson.

In thanking DCP and company for their generosity, Hughes pointed out: "Little Flower's limited budget does not allow for the purchase of such items as VCRs. This generous contribution from the good people of Brookhaven Lab should provide many hours of movie entertainment for our children."  
— Marsha Belford

## SBMS on the WWW

Under BNL's Deputy Director for Operations, Thomas Sheridan, the Lab is developing what is called the Standards-Based Management System (SBMS). When introduced in late spring, it will provide Brookhaven staff with Lab-wide safety and environmental-protection standards policies, procedures, practices guidelines and the like that are up to date, accurate, and relevant to the work being performed.

In the past, existing standards were available only through published manuals, which were updated by the distribution of corrected pages. Under SBMS, Lab standards will be available electronically, so all employees can access the latest versions via computer and print whatever pages they need at the time.

To access the SBMS documents that are available electronically at present, go to the interim World Wide Web page temp.sbms.bnl.gov/ or click the "Standards-Based Management System" link that is on the BNL home page.

When using any documents that have been printed, check the Web site to ensure that the most current version is the one being used.

## At the Pool

To register or for more information, contact Head Lifeguard Susan Dwyer at Ext. 3147, 2-4:30 p.m., Tuesday through Thursday, or at Ext. 3496 during evening pool hours.

### Lifeguard Training

BERA will offer a lifeguard training course at the BNL swimming pool, Bldg. 478, beginning Sunday, February 21, at 10 a.m.

The course is open to BERA members who are at least 16 years old, and the class size will be limited. Participants must pass a swimming test that will be given during the first class.

### Life Guard Openings

Lifeguard positions will soon open at the BNL pool. To qualify for these positions, applicants must have lifeguard certification. If interested, complete an application or send a resume to M. Kay Dellimore, Bldg. 185.

