BROOKHAVEN BULLETIN
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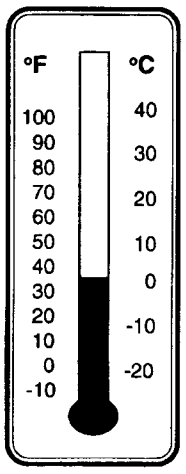
BROOKHAVEN NATIONAL LABORATORY

From Record Drought to Snowfall – In '93 We Had It All

A blizzard, a heat wave and the driest summer on record characterized the weather at BNL in 1993, the 44th year that the Lab has kept meteorological records.



"It was a year of diversity," said Victor Cassella, a meteorologist in the Department of Applied Sciences' Oceanographic and Atmospheric Sciences Division. "No particular pattern emerged. The annual average temperature was close to normal, and, for the third consecutive year, annual precipitation was below normal."

Among the year's most extreme weather conditions were the blizzard of March 13, which dumped 22.86 centimeters (9 inches) of snow and 5.08 cm (2 inches) of rain over Long Island and brought the second lowest barometric pressure ever recorded at BNL.

May through August was the driest four-month period on record, with precipitation totaling 16.59 cm (6.53 inches), less than half the average for these months. This was also the second warmest summer on record, with an average temperature of 20.1°C (see thermometer for conversion to Fahrenheit) for the same four months.

July was a sizzler, with seven out of ten consecutive days bringing temperatures over 32.2°C, starting on July 4. Also, the month brought one record high temperature of 37.5°C on July 10. The highest temperature ever recorded at BNL was 38.1°C on July 22, 1957.

Other record highs in 1993 were: January 5, 15.6°C; June 19, 33.1°C; August 25, 26, and 27, 33.3°C, 32.8°C, and 33.9°C, respectively; and November 14 and 15, 21.1°C and 25.6°C, respectively.

Four low-temperature records were set during the year, three in February: On February 6, the thermometer fell to -20.3°C, the next day it dipped to -22.8°C, and on February 20, it plummeted to -15.8°C. The other record low, -10.8°C, occurred on November 26.

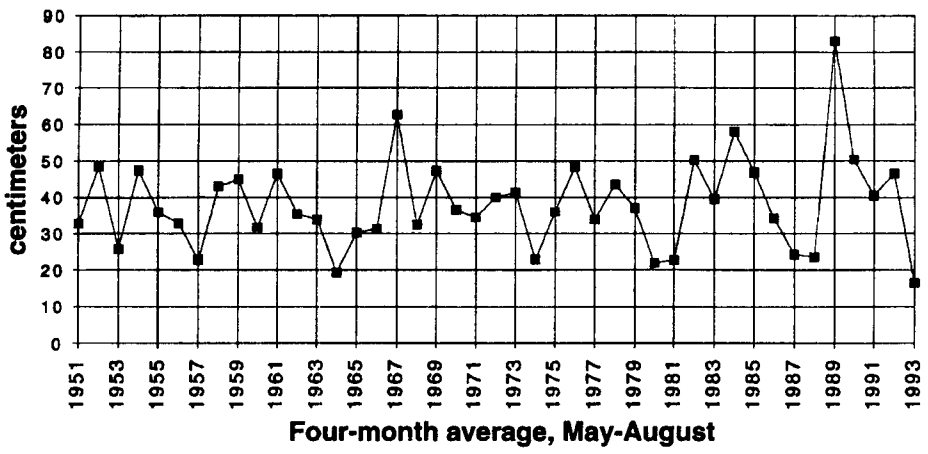
Also, for the first time in five years, Brookhaven had a white December, with 20.32 cm (8 inches) of snow. Total precipitation for the year, however, was only 108.97 cm (42.9 inches), compared to the yearly average of 122.68 cm (48.3 inches).

For 1994, Cassella predicts a colder winter than usual, and an above-average annual snowfall. "Judging by the first part of 1994, we're in for a long, cold winter," he said.

BNL meteorologists will eventually be connected by Ethernet and radio transmitter to the new National Weather Service Forecast Office on site. "When those connections are in place, we hope to work more closely together," Cassella said. "The presence of the National Weather Service here certainly enhances BNL's meteorological capabilities."

— Diane Greenberg

Summer Precipitation at BNL, 1949-1993



1993 was the driest summer ever recorded at BNL.

Quit Smoking Once and For All

Combine the power of hypnosis with standard behavior-modification techniques — and you may quit smoking after just one session of the Green Seminar.

On Monday, January 31, from 4:30 to 6:30 p.m. in Berkner Hall, the Green Seminar will be offered to all employees and their dependents who smoke and wish to kick the habit without gaining weight. To be presented by Stuart Green, the president of GSI, a New York company specializing in wellness programs, the one-session program will cost $10 per person for new attendees; those who have attended the seminar before may attend again free of charge.

Participants will receive an audiotape and written material for use at home, to reinforce what was presented at the seminar. To reserve a place, call Mary Wood, Ext. 5923.

THE AFRO-AMERICAN CULTURE CLUB
PRESENTS
THE 13TH ANNUAL
GOSPEL EXTRAVAGANZA
FEATURING:
THE BRONX MASS CHOIR
ALSO APPEARING:
• THE FIRST PENTECOSTAL CHURCH DISTRICT CHOIR OF LINDEN, NEW JERSEY
• THE LIVING WATERS CHURCH MUSIC MINISTRY OF AQUEBOGUE
• THE MARANATHA CHOIR FRIENDSHIP BAPTIST CHURCH, RIVERHEAD
• THE BNL GOSPEL CHOIR
SATURDAY, FEBRUARY 5
7 P.M., BERKNER HALL
TICKETS: ADULTS, $12; CHILDREN 12 AND UNDER, $5
NO TICKETS WILL BE RESERVED OR SOLD AT THE DOOR.
FOR TICKETS, CALL:
APRIL DONEGAIN, EXT. 2459; BRUCE PENN, EXT. 7213;
VANESSA CRUMP, EXT. 2903; FRANCES LIGON, EXT. 3709;
PAULINE DIXON, EXT. 2164

Healthline Lecture
Where There's a Will . . .

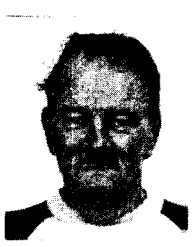
Returning as a Healthline lecturer for an unprecedented fourth time, George Roach, Chief Attorney of the Senior Citizens Division of the Suffolk County Legal Aid Society, will once again present "Money Matters When Illness Strikes: An Update." Sponsored by the Health Promotion Program (HPP) of the Occupational Medicine Clinic, Roach's talk will take place on Tuesday, January 25, from noon to 1 p.m. in Berkner Hall. All are invited; an audiotape of the talk will be available afterward in the Research Library.

In exploring the financial impact of illness on elderly parents, spouses and other loved ones, Roach will discuss new changes in the Medicaid law and how to protect one's assets from the costs of catastrophic illness in light of those changes. He will again discuss estate planning, so people may learn how to conserve both their own estates and their families finances.

With the Legal Aid Society for the past 15 years, George Roach, Esq., is dean-elect of the Suffolk County Bar Association's Academy of Law and is the former chair of the Association's Elderlaw Committee. He is also a member of the National Academy of Elderlaw Attorneys.

To register, return the bottom portion of the Health Promotion flyer recently mailed to all employees to Health Promotion Specialist Mary Wood, Bldg. 490, by Monday, January 24. For more information about HPP or its Healthline lecture series, call Wood, Ext. 5923.

In Memoriam



Charles Hyde, the Group Leader of the Carpentry Shop, died on December 27 at the age of 57.

He began his 21-year career at the Lab September 25, 1972, as a carpenter in the Plant Engineering Division, and he was promoted to his final position in September 1988. As Group Leader, Hyde oversaw 12 other carpenters and worked with them to maintain and repair the more than 300 buildings on site.

"He will be missed by his fellow workers," commented Michael Cardarelli, General Supervisor for Building Maintenance & Services.

Hyde was also active in the on-site Local 2230 of the International Brotherhood of Electrical Workers: From 1973-75, he served as a shop steward, and, from 1975 to his death, he was chief steward for the cabinetmakers, carpenters, locksmiths, painters and sign painters.

A resident of Central Islip, Charles Hyde is survived by his wife Jean; his sons: Charles Jr. of East Islip, and Kelly, Glenn and Robert of Central Islip; and five grandchildren.

Attn: Permanent U.S. Residents

The U.S. Immigration and Naturalization Service (INS) has issued its long-awaited regulations concerning the replacement of certain versions of alien-registration receipt cards, which are also known as green cards.

All permanent resident BNL employees will be getting an information packet about the INS green-card replacement regulations from the Office of Scientific Personnel (OSP), via the intraLaboratory mail. For more information, call OSP, Ext. 7831, or the INS toll-free hotline, (800) 755-0777, which is available 24 hours a day to answer questions in English or Spanish.

Get Metric-X Free

If you want to know how many pascals equal a certain number of pounds per square inch — or convert from any other English to metric units without doing the calculation yourself — then there is DOS-based software for you.

Called Metric-X, it is a stand-alone, menu-driven metric conversion program. Since the U.S. Department of Energy has obtained a national license for its use, it is available free of charge. Contact BNL's Metric Coordinator, John DiNicola, Ext. 5737, for your free copy of Metric-X.

IBEW

Local 2230, IBEW, will hold its regular monthly meeting on Monday, January 24, at 6 p.m. in the Knights of Columbus Hall, Railroad Avenue, Patchogue. The agenda includes regular business, committee reports and the president's report.

Basketball

Games of January 13

Magic 84		Scram 37	
Troy Mayo	23	Joe Barkwill	6
Derrick Hoggard	18	John Skonieczny	6
Terrence Buck	13	John Duggan	5
James Rank	11	Tim Powers	5
Neil Donahue	5	Paul Bergh	4
James Garrison	5	Al Boerner	4
Patrick Browne	4	Steve Nappi	4
Mitchell Williams	3	Alan Jones	3
Raymond Jackson	2		

Three-point shots: Duggan, Garrison, Mayo, Powers, Rank, Williams.

Runaways 91		Deep Six 58	
James Desmond	26	Greg Mack	15
Pete Ratzke	24	Brian Hobson	11
Jerry Gaeta	22	Darren Harris	10
Charlie Edwards	16	Tracy Fountaine	9
Chris Saxen	3	Ed Gregory	8
		Ulysses Tapley	2
		Ed Taylor	2
		Tom Dilgen	1

Three-point shots: Desmond (3), Fountaine (2), Gaeta (2), Saxen.

Send a Love Note To Your Valentine

Is there a special message you'd like to send to your valentine? Are you looking for a valentine? You can have your Valentine's Day message printed in the Brookhaven Bulletin on February 11.

Send your 15-to-20-word "love note" to the Bulletin, Bldg. 134, by Friday, February 4. Use a Sales & Notices Bulletin classified ad form, but mark it "Valentine's Day." You must sign your name and include your life number and extension, but your name will not be printed unless it is clearly part of the message.

Water Aerobics

If you are new to water aerobics, here's your chance to join the fun and get fit at the same time: An eight-week session of water aerobics for beginners will start on Wednesday, February 2, at the BNL pool. The only cost is either daily admission or a season pass to the pool. To register, call Mary Wood, Health Promotion Specialist, Ext. 5923.

Camera Club

The BNL Camera Club will hold its next meeting at noon on Wednesday, January 26, in Room D, Berkner Hall; bring your lunch.

The Club is open to all BNL employes and their family members who have an interest in photography. Activities include discussions, instruction, studio practice using models, field trips and use of the club's darkroom.

In addition, the club has a display of its members' and others' work in Berkner Hall, and invites all to take a look and consider participating.

For information, call club president Ripp Bowman, Ext. 4672.

Arrivals & Departures

Arrivals

Denise J. Di Meglio ..... Personnel
Hong Ma ..... App. Science
Helen L. Race ..... Biology
Bernard J. Yatauro ..... AGS

Departures

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

Melvin J. LeBlanc ..... SEP

Bowling

Red/Green League

K. Asselta bowled a 279/221/684 scratch series, A. Warkentien 256/620 scratch, F. Griswold 245/205/633 scratch, T. Prach 243, K. Koebel 235/227/657 scratch, R. Mulderig 230/215/626 scratch, R. Larsen 227/203/622 scratch, J. Goode 223/222/618 scratch, H. Arnesen 215, E. Meier 213, R. Wiseman 211/211/208/630 scratch, R. Raynis 211, A. Pinelli 207, R. Mackinnon 202/201/200/603 scratch, K. Riker 201, E. Sperry III 200.

Purple League

Ken Batchelor bowled a 232, Gil Spira 203/182, Manny Dador 200/181, George Munoz 191, Tirre Farmer 188/184, Pete Stelmaschuk 187, Ed Sperry III 186, Ed Sperry IV 183, Ben Belligan 183, Norm Fewell 181, Larry Musso 180, Kay Conkling 179, Debbie Keating 179.

ANS Meeting

Jack Mulligan, Project Manager and Associate Chairman for Newly Independent States (NIS) Nuclear Safety in the Department of Advanced Technology (DAT) at BNL, will speak on "Management of the NIS Nuclear Safety Program: Safety Improvement of Russian Reactors" at the next dinner meeting of the Long Island Section of the American Nuclear Society (ANS). It will take place on Wednesday, January 26, at the Radisson Hotel, Islandia.

Following cocktails at 6 p.m. and dinner at 7 p.m., the speaker will be introduced at 8 p.m. by Walter Kato, DAT. Make reservations by calling Julie Tuber, Ext. 2513, before Monday, January 24.

Amateur Radio

The regular monthly meeting of the Amateur Radio Club will take place in Room D, Berkner Hall, at noon on Thursday, January 27.

All Lab employees, guests and licensed amateur-radio operators are invited to attend. For further information, contact Chris Neuberger, Ext. 4160, or Nick Franco, Ext. 5467.

Cafeteria Menu

Monday, January 24

Soup: Vegetable & rice chowder	.80/1.10
A la Carte: Monterey pork chops	3.75
Fitness: Vegetable lasagna	3.35
Deli: Roast lamb w/rosemary sauce	2.95
Grill: Reuben	2.95
Salad: Marinated green beans	

Tuesday, January 25

Soup: Minestrone	.80/1.10
A la Carte: California chicken	3.65
Fitness: Tomato & scallion quiche	3.35
Deli: Hot roast beef au jus	2.95
Grill: Spanish omelet	2.35
Salad: Seafood chef's	

Wednesday, January 26

Soup: Beef & vegetable w/rice	.80/1.10
A la Carte: Sausage & pepper calzone	3.65
Fitness: Beef w/green peppers over rice	3.65
Deli: Baked Virginia ham	2.95
Grill: Italian cheesesteak	2.95
Salad: Fresh fruit	

Thursday, January 27

Soup: Italian escarole w/chicken	.80/1.10
A la Carte: Oven-crisp chicken	3.45
Fitness: Pasta primavera	3.35
Deli: Corned beef sandwich	2.95
Grill: Monte Cristo platter	2.95
Salad: Cantaloupe	

Friday, January 28

Soup: New England clam chowder	.80/1.10
A la Carte: Display cooking-chicken scampi	
Fitness: Baked sole w/remoulade sauce	3.45
Deli: Roast turkey sandwich	2.95
Grill: Fried clam boat	2.25
Salad: Grilled chicken platter	

Classified Advertisements

Placement Notices

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

Each week, the Personnel Division lists new placement notices. The purpose of these listings is, first, to give employees an opportunity to request consideration for themselves through Personnel, and second, for general recruiting under open recruitment. Because of the priority policy stated above, each listing does not necessarily represent an opportunity for all people.

Except when operational needs require otherwise, positions will be open for one week after publication.

For more information, contact the Employment Manager, Ext. 2882, or call the JOBLINE, Ext. 7744 (282-7744), for a complete listing of all openings.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside candidates.

LS 8088. OCEANOGRAPHY ASSOCIATE POSITION - (part-time, term appointment) Requires an MS in biology or the equivalent, with several years' training and experience in molecular biology. A background in microbial ecology, oceanography or limnology is highly desirable. Responsibilities include all aspects of microbial growth activity in coastal ocean systems and involvement in both laboratory and field research, which includes research cruises associated with the DOE-funded ocean marine program. Department of Applied Science.

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ANITA COHEN, Editor
MARSHA BELFORD, Assistant Editor

Bldg. 134, P.O. Box 5000
Upton NY 11973-5000
Tel. (516) 282-2345; Fax (516) 282-3368

LS 5535. PROGRAMMING POSITION - Requires BSCS or equivalent, MS preferred, and several years' experience developing tools and programs in a distributed computing environment. Must have experience in UNIX, C, shell, and X-GUI development knowledge with the capability to comprehend mathematical and scientific issues arising in research areas in which they originate. Exposure to Motif toolkit programming, C++ and client-server systems is desirable. (reposting) Computing & Communications Division.

DD 0526. TECHNICAL POSITION - Requires AAS degree or equivalent and extensive experience in cryogenics, surveying, superconducting magnets, scheduling and supervising. Will be responsible for the proper installation of all RHIC magnets in the tunnel; will coordinate and/or supervise riggers, surveyors, welders, and mechanical and electrical technicians. RHIC Project.

NS 2924. OCEANOGRAPHY ASSOCIATE POSITION - (term appointment) Requires a bachelor's degree in an appropriate field and experience designing and developing seagoing analytical instrumentation. Will assist the CO_2 group in mounting a cruise expedition. Department of Applied Science.

Motor Vehicles & Supplies

91 MERCURY SABLE LS WAGON - 8-pass., 3.8 V-6, air-bag, loaded, metallic dark blue, 50k mi., excel. cond., $8,750. Dave, Ext. 7277 or 736-8010.

91 GEO METRO - 2-dr., 5-spd., 3-cyl., 50+ mpg, 36k mi., $3,995. Joe, Ext. 2898.

89 TRANS AM - T-top, a/t, ac, red, loaded, new tires, 60k mi., well maint., mint cond., asking $8,500. Kathy, Ext. 5312 or 929-8467.

88 JEEP CHEROKEE CHIEF 4x4 - 6-cyl., 73k mi., 2-dr., at, ac, p/w, p/l, moon roof, am/fm cass., $7,500. 473-2473.

87 DODGE SHADOW - 5-spd., ac, mint in & out, runs well, $2,800 neg. 924-6019.

87 HYUNDAI EXCEL - 2-dr. h/b, blue, 4-spd., m/t, 60k mi., must sell, $1,100 neg. Krzysztof, Ext. 3406.

86 DODGE ARIES - 5-spd., m/t, excel. cond., $1,100 neg. Lie Ping, Ext. 3867 or 929-3471 eves.

86 CAMARO - new engine, brakes, exhaust, rebuilt trans., excel. cond., ask. $4,500. Ext. 3334 or 744-2404.

84 VW VAN - 130k mi., new tires, m/t, seats 7, $1,800 or best offer. Chu, Ext. 2389 or 751-1224.

84 VOLVO WAGON - diesel, 6-cyl., m/t, ac, $6,000 invested in 5/93, all receipts, mint, $5,200. Tony, 281-2513.

81 CADILLAC SEDAN DE VILLE - many new parts, runs well, $1,100. 475-8242.

80 VOLVO 240 - 4-dr., good cond., runs well, $1,400 neg. Ramesh, Ext. 3267 or 821-1963.

ENGINES - Chevy 327, $450; Ford 302, $850; light table, large, 4'x5', $125. Rich, 929-8514.

The Brookhaven Bulletin is printed on paper containing at least 50 percent recycled materials, with 10 percent post-consumer waste.

MOTOR - Ford 351 Windor 30 over, balanced & blueprinted by Lawrence racing engines, all paperwork, will demo, Wayne, Ext. 3083.

Furnishings & Appliances

CHAIRS - matching pair, Queen Anne, Lane wing-back recliners, light blue w/shell motif, $200/ea. Dave, Ext. 7277 or 736-8010.

DINING ROOM SET - trestle table, 8 upholstered chairs, almost new, $700/firm. Howard, 878-8294.

DRYER - GE, white, 4 settings, $100 delivered; washing machine, Kenmore, white, 2-spd., $250 delivered. Don, Ext. 7237 or 744-2921 after 5:30 p.m.

ENTERTAINMENT CENTER - pine; living room set, sofa beds, 2 recliners, 2 end tables, 1 coffee table, 1 lamp, Col., good cond., $500. Tom Nolan, Ext. 5265.

GAS RANGE - 30", bottle gas, good, $50. 924-6751.

HEATER - Thermos radiator, dual control, 7 fin, excel. cond., $30. Helga, Ext. 2384.

LIVING ROOM SET - sofa, 2 chairs, 3 tables, etagere, stereo w/cabinet, lamp table, assorted wall hangings, draperies. Ext. 3334 or 744-2404.

SOFA BED - Sealy, full size, 6" inner-spring mattress, beige, Scotchguard, $450. Denise, Ext. 5873.

WASHER & DRYER - Kenmore, heavy-duty, like new, ask. $300; beds, 1 queen, 2 twin; sofa & loveseat, excel. cond. Shruti, 821-1963.

Sports, Hobbies & Pets

FISH TANK - 10-gal., starter set, w/hood, light, filter, gravel, etc., $15. 924-6019.

GOLF CLUBS - 1 set Ping Zing irons, 1 set Cobra oversized irons, Big Bertha drive, Taylor made 3-wood, both graphite. Ernie, Ext. 2677.

LACROSSE STICK - STX Dominator, 1 yr. old, hardly used, excel. cond., asking $60. Alex, 929-5945.

PIANO - Kranich Bach, walnut finish, console, good, needs tuning, $400. Jean, 473-4738 or 267-3175.

SEWING MACHINE - Bernina/Bernette 335, 5-thread serger, 3 yrs. old, hardly used, accessories, list $1,299, sell for $750. Molly, 234-9487.

SKIS - Rossignol 45K, Kevlar 200cm, used 1 season, like new, orig. $475, now $150. Charlie, Ext. 4220.

SPORTS COLLECTIBLES - official, original, major league endorsed, All Star baseball game, 1980's model, in orig. seal. Pete, Ext. 2498.

Audio, Video & Computer

COMPUTER - PC-XT clone, BiTech, 20MB HD, 5.25 floppy drive, EGA card, color mon., keyboard, joystick, $250. Jim, Ext. 2432.

COMPUTER - Commodore 64, 1541 drive, cassette, 10X printer, Koala pad joystick, hundreds of disks, much more. Witkover, Ext. 4607.

DISPLAY - Panasonic SVGA, 14", for PC, $235; SVGA graphics card, Paradise Professional, w/software, $45. Bernie, 331-2298.

GAMES - Super Nintendo, $30/ea. Ext. 7505.

NINTENDO - excel. cond., w/Super Mario gun & controls, $30; games, $10. Tim, 727-3523.

STEREO - Marantz model 2230, receiver, amplifier, excel. cond., $40. Lloyd, Ext. 5225.

TRAVEL TV - Panasonic, b&w, rechargable battery pack, $40. Joe, Ext. 4139.

TURNTABLE - JVC, 2 heads/cartridges, Pickering/Audio Technica, mint, $50; bonus, choice of 75 stereo albums, mint. Dick, Ext. 286-8119.

VCR - Emerson 755, remote, $60; Sharp TV, 19", color, $60; $100/both. Krzysztof, Ext. 3406 or 345-5671.

Lost & Found

FOUND - by Post Office on 1/10, pictures of Nicole Michele from key ring. Kathy, Ext. 4615.

Car Pools

BOHEMIA-E.ISLIP-OAKDALE - looking for 1 or 2 drivers for existing car pool. Frank, Ext. 2314.

Wanted

JUNK - cars, trucks, machinery, alum. boats, will remove. Rich, Ext. 4986 or 589-8103.

OUTBOARD ENGINE - approx 15-25 h.p. 924-6751.

PEOPLE TO JOIN - nondenominational Christian fellowship, Thu., Snyder Conf. Rm., Bldg. 911A, noon. Pete, Ext. 3297 or Frank, Ext. 7152.

PRINTER - Imagewriter I/II for old Apple IIC computer, for small volunteer library. Jean, 473-4738 or 267-3175.

SKIERS - to ski Hunter, 2/9, $43 for bus and lift, send payment to Augie Hoffman, Bldg. 510C.

SPORTS COLLECTIBLES - baseball cards, yearbooks, autographs, games, etc. Pete, 473-0155, leave message.

TABLE - 42-28" dia., butcher block or oak on metal pedestal. John, Ext. 7671.

TICKETS - Billy Joel, Nassau Coliseum, March 6. Pam, Ext. 4082 or 732-6280 eves.

TRAINS - Lionel & American Flyer, priv. collection, pays top $. Ext. 7100 or 924-4097.

UNICYCLE - 24", good condition. Ext. 2253.

UTILITY TRAILER - approx. $100. 924-6751.

Ads left out of this issue due to lack of space need not be resubmitted to appear in the next issue.