BROOKHAVEN BULLETIN
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BROOKHAVEN NATIONAL LABORATORY

Meeting Concern: Saturn Mission

Two of the five subpanels of the Interagency Nuclear Safety Review Panel (INSRP) met at BNL on August 19-20 to continue their deliberations on the possible radiological consequences that could be associated with the October 1997 launch of the Cassini astronomy mission to Saturn.

Respectively, the panels are concerned with the atmospheric and environmental dispersion, and with exposure and health effects that could result on earth if the unmanned Cassini spacecraft were to be accidentally destroyed and its radioactive source of electric power, plutonium-238 (^{238}Pu), were to be released.

The simultaneous meetings were hosted by the Safety & Risk Evaluation Division (SRED) of BNL's Department of Nuclear Energy, with assistance from David Pyatt of the Office of Nuclear Safety within the U.S. Department of Energy (DOE). SRED is headed by Trevor Pratt and its deputy is John Boccio, who sits on another INSRP subpanel, one concerned with accident scenarios and probabilities associated with an aborted launch and reentry.

Named after the Jean Dominique Cassini (1625-1712) who discovered several of Saturn's satellites and major divisions in its rings, the Cassini spacecraft is composed of a Saturn orbiter and a detachable Titan probe. To examine Saturn's rings and major moons, Cassini will perform on-board experiments during several flybys, using radar, robots, cameras, and various astronomy and aeronomy instruments.

These instruments will be powered by electricity that will come from radioisotope thermoelectric generators (RTGs). Within an RTG, heat generated by the decaying radioiso-

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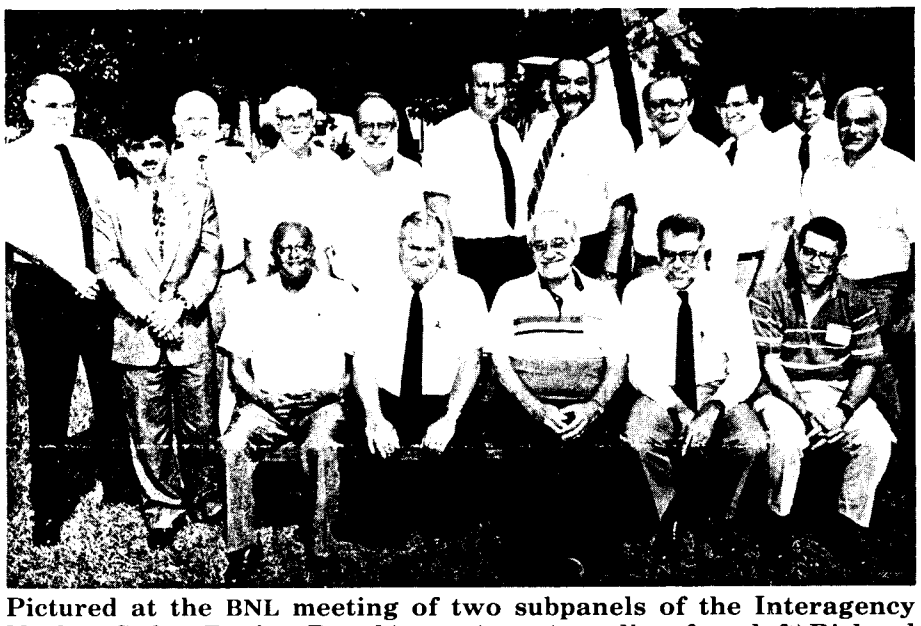
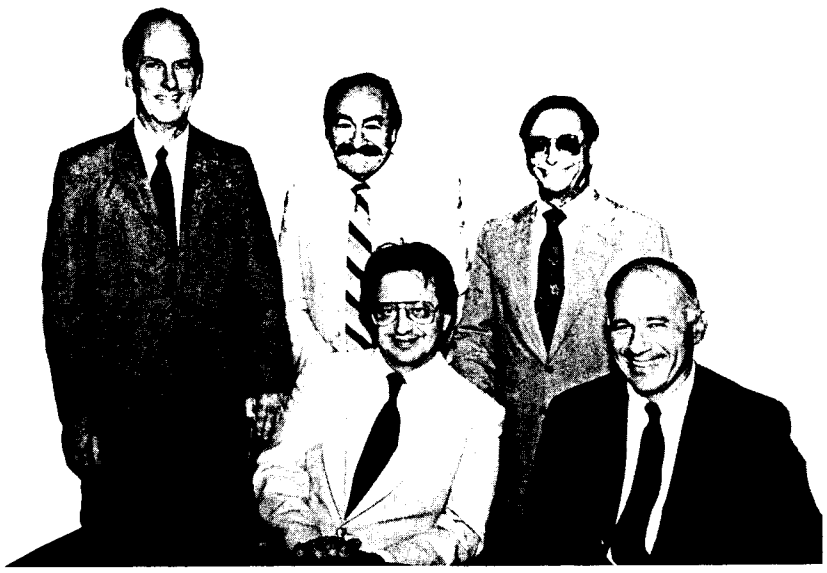


Pictured at the BNL meeting of two subpanels of the Interagency Nuclear Safety Review Panel (INSRP) are: (standing, from left) Richard Pollard, Vitro Corporation; Homayoon Dezfuli, Scientech, Inc.; James Park, Battelle Pacific Northwest Laboratory (PNL); William Templeton, PNL; Billie Boyd, National Oceanographic and Atmospheric Administration (NOAA); Robert Nelson, EG&G, Idaho; George Marmaro, National Aeronautics & Space Administration (NASA) Kennedy Space Center; Mark Hoover, Inhalation Toxicology Research Institute; Thomas Kirchner, Colorado State University; Trevor Pratt, BNL; John Boccio, BNL; (seated) Partha Neogy, BNL; INSRP Coordinator Leven Gray, NASA headquarters; INSRP Biomedical & Environmental Effects Subpanel Chairman Marvin Goldman, University of California, Davis; INSRP Coordinator David Pyatt, DOE; and Lance Bollinger, Kirkland Air Force Base. Missing from the picture: William Pendergrass, NOAA. — Photos on this page by Roger Stoutenburgh

First Meeting for LIRI Advisors



The first meeting of the Scientific and Business Advisory Council of the new Long Island Research Institute (LIRI) was held at BNL on September 9.

LIRI is an independent, nonprofit corporation for promoting technology transfer. To focus on bringing new technologies from the academic sphere to the world of commerce, LIRI was founded in May of this year by Associated Universities, Inc., which manages BNL for the U.S. Department of Energy; Cold Spring Harbor Laboratory; and the State University of New York at Stony Brook.

For this organizing meeting of the advisory council, some of the 11 directors of LIRI were also on hand, including: LIRI's President and Chief Executive Officer Philip Palmedo (back left), founder of the International Resources Group; as well as (front, from left) BNL Director Nicholas Samios; and Leo Guthart, Chief Executive Officer of Ademco.

Among the 20 representatives from Long Island industry and research centers who make up the advisory council are three BNLers: Mark Sakitt (back center), Assistant Director for Planning & Policy; Leon Petrakis (back right), Chairman of the Department of Applied Science; and William Studier (not shown), Biology Department Chairman.

Yau-Chung Cheng, with his mother Li-Jiuan Huang, on his first day at the BNL kindergarten.

BNL kindergarten teacher Diane Santarpia with her new class.

School Starts At BNL Kindergarten

For 12 youngsters, the first day of kindergarten last week was like coming to work with Mommy or Daddy. BNL's new on-site kindergarten opened its doors for the first time on September 9, in a little red schoolhouse located in the housing area.

The children spent their first day getting acquainted with their teacher, Diane Santarpia.

Santarpia is an experienced kindergarten teacher who taught in the public school system before coming to the BNL kindergarten. She is assisted during the day by Terry Dalton, who had worked as a teacher assistant at BNL's Child Development Center (CDC). The kindergarten is operated by Child Care Management, Inc., which also runs the CDC.

According to Santarpia, the BNL class will follow a typical public school kindergarten curriculum of reading, science, math, social studies, arts, fine motor skills, gross motor skills and self-esteem development.

School hours are 9 a.m. to 3 p.m., with day care before and after the formal kindergarten program. The school can accommodate up to 25 children. For information on enrollment, call Sue Foster at Ext. 2888.

Joint Biology-BWIS Seminar

Seeing Proteins Through Peptides

Isabella Karle

Much like beads linked sequentially on a string to form a necklace, proteins are composed of linear sequences of amino acids.

However, unlike strings of beads that can be balled up in a random manner, protein chains coil, fold and aggregate into specific, three-dimensional structures that are intrinsic to a protein's biological activity. And, because of the protein's size — typically 100 or more amino acids — it is often impossible to characterize in detail the structural features responsible for a given shape.

Toward solving this problem, Isabella Karle is looking at lighter chains of amino acids known as polypeptides. The eminent crystallographer from the Naval Research Laboratory (NRL) will describe her work next Thursday, September 24, in a joint Biology Department-Brookhaven Women in Science (BWIS) seminar. Her talk on "Folding, Aggregation and the Activity of Peptides" will begin at 3:45 p.m. in the Biology seminar room, Bldg. 463.

Like proteins, linear peptides that contain only 7 to 15 amino acids can also coil, fold and aggregate. Karle will describe crystal structures of these materials that reveal certain conformational details of polypeptide chains with greater accuracy and assurance than possible with proteins.

These details include: the characterization of different helix, or coil, types, the ways in which water molecules bind to and penetrate helices, the bending of helices, and parallel and antiparallel association of helices. In favorable cases, she has been able to obtain a static series — "snapshots" — that encompass dynamic conformational changes.

As Karle will relate, all these help elucidate the types of interactions and forces that act within helices, between helices, and between the polypeptide and the solvent environment.

After earning her Ph.D. in physical chemistry from the University of Michigan in 1944, Isabella Karle joined NRL in 1946. Her early research was in electron diffraction, and she established the experimental procedures used worldwide for molecular structure analysis using electron and x-ray diffraction techniques, for which she has received numerous honors and awards.

Karle also pioneered in elucidating the crystal structures of numerous complex organic substances, natural products, photorearrangement products, biologically active molecules and peptides containing many residues. Now a senior scientist, she heads the x-ray diffraction section of NRL's Laboratory for the Structure of Matter.

Refreshments will precede the seminar, which all are invited to attend. To join the speaker for dinner at a restaurant off site, call Louise Hanson, Ext. 7709.

T.D. Lee Back as Haworth Scientist

Nobel laureate T.D. Lee, University Professor and Enrico Fermi Professor of Physics at Columbia University, will arrive on Sunday, September 20, to continue his appointment as a Haworth Distinguished Scientist in the Physics Department.

A highlight of Lee's stay, which will conclude on September 26, will be the physics colloquium that he will deliver on "Parity Doublets and the Pairing Mechanism in C_{60}." His talk will take place on Tuesday, September 22, at 3:30 p.m., in the Physics large seminar room, Bldg. 510.

T. D. Lee has had a long relationship with BNL: As a summer visitor here in 1956, he worked with C.N. Yang on the theory of parity nonconservation, for which they shared the Nobel Prize in 1957.

Those interested in meeting or talking with Lee during his stay may contact him in Room 2-48, Bldg. 510, Ext. 5853, or call Isabell Harrity, Ext. 2524. Arrangements for dinner with Lee may be made through the office of Physics Chairman Peter Bond, Ext. 4063.

The Haworth Distinguished Scientist appointments honor the memory of Leland Haworth, BNL's second Director. Haworth lecturers spend from one to three weeks per year in residence at Brookhaven, for up to three consecutive years.

Call for Reading Tutor Volunteers

According to Literacy Volunteers of America (LVA), one out of every five adult Americans is functionally illiterate. If you can read and have a high school diploma, you may be able to help one of these people achieve literacy — by signing up for the confidential literacy program that BNL is considering sponsoring in conjunction with LVA.

BNLers who volunteer for this "Each One, Teach One" program will be:

- formally trained after hours,during eight 3-hour workshops.
- requested to tutor one learner for two hours per week, after hours for one year. This tutoring may take place either on or off site.
- asked to attend at least one in-service workshop a year.

LVA estimates that some 220,000 Suffolk County adults need help reading. And the United Nations says that, since 1950, the U.S. has dropped 18 places in adult literacy — to a rank of 49th among 156 member countries.

Although these adult literacy problems have received a great deal of media and public attention in recent years, LVA notes that little progress has been made in overcoming the problem: "The combined effort of all public and private adult-education providers, including volunteer literacy organizations, community colleges, adult basic education centers and secondary schools, still serve less than 10 percent of all illiterate American adults."

BNLers can do something about this situation — with your help. If you are interested in volunteering, or if you're already a volunteer, call Marilyn Pandorf, Personnel Division, Ext. 5251.

Healthline and Outreach 1992

Five lunchtime presentations on health and mental-health topics have been planned for six days this fall and winter, for the Healthline lecture series of the Health Promotion Program and the Outreach workshop series of the Employee Assistance Program.

Under the auspices of the Occupational Medicine Clinic, the Healthline series presents talks on topics related to healthy living, while the Outreach series offers discussions of psychological issues and social problems.

See future issues of the Bulletin for details on each presentation, or, for general information, call Ext. 5923 about the Healthline lectures, or Ext. 4567 about the Outreach workshops.

Date*	Series & Topic	Speaker
Sep. 22, Oct. 6	**Healthline:** Nutrition & Weight Control — A Weigh of Life	Lydia Genovese, R.D.
Oct. 20	**Healthline:** Money Matters — When Illness Strikes, An Update	George Roach, Esq.
Nov. 10	**Outreach:** *To be announced*	Eva Feindler, Ph.D.
Nov. 24	**Outreach:** Issues in Sexuality	Robert Carrere, Ph.D.
Dec. 9*	**Healthline:** Back Safety — The Medical Facts	Arnold Schwartz, M.D.

**Note: All talks are on Tuesdays, except the one on December 9, a Wednesday.*

Healthline Lecture

Nutrition & Weight Control

The relationship between nutrition and weight control is being reestablished in the minds of most Americans, after many unsuccessful years of their yo-yoing on the most popular yet often unhealthy diets. In addition, the benefit of long-term changes in eating habits versus the failure of short-term fad dieting is finally being recognized.

In the meantime, however, nutritionists have changed the basic food groups into a food pyramid, basing their reorganization on the latest research in nutrition and medicine.

Lydia Genovese

So, as a guide in the return to nutritional basics, "Nutrition & Weight Control — A Weigh of Life" is the first Healthline offering of the 1992 fall-winter lecture season.

In two Tuesday sessions, on September 22 and October 6, these Healthline lectures will be given by registered dietitian Lydia Genovese. Sponsored by the Health Promotion Program of the Occupational Medicine Clinic, they will be held from noon to 1 p.m. in Berkner Hall.

The first session will emphasize a practical approach to changing one's eating habits and the importance of exercise.

The second session will stress the selection of nutritious food from the new food pyramid, so as to reduce fat, cholesterol, calories and weight.

A dietitian with more than 12 years' experience, Lydia Genovese, R.D., holds a master's of science in nutrition from Hunter College. An adjunct instructor in the Diet Technician program of Suffolk Community College, she works with in- and outpatients in designing specialized nutrition and weight control programs.

To register for this lecture, return the bottom portion of the Healthline flyer sent to all employees, by September 21 to Health Promotion Specialist Mary Wood, Bldg. 490. For more information about the Health Promotion program and its Healthline lecture series, call Ext. 5923.

Art Society Events

Up-Hudson Bus Trip

On Saturday, October 24, join the BERA Art Society to catch the last fall leaves up the Hudson River and see the 18th-century Phillipsburg Manorhouse, garden and period trade center with watermill at Tarrytown. Lunch at antique Cold Spring village right on the river; then view Franklin D. Roosevelt's home at Hyde Park, which has a special exhibit of Winston Churchill's paintings in the museum library.

The bus will leave the Lab at 7 a.m. and return about 8 p.m. Bus tickets are $19; museum fees are $9 for both. Call Liz Seubert, Ext. 2346 or 286-8563.

Crafters! Get Ready!

Knitting, sewing, woodcarving, metalwork, macramé, pottery — all these crafts and more, made by Lab employees, guests, retirees and their families, are needed for display at the next Craft Show. Sponsored by the Art Society, the show will run December 1 to 4, in Berkner Hall. Watch the Bulletin for entry forms.

Service Awards

The following employees celebrated BNL service anniversaries during the month of August:

35 Years

Leo J. Casey.....Photo. & Gr. Arts
Paul G. Edwards.....Saf. & Env. Prot.
Frank J. Thornhill.....Accel. Dev.

30 Years

Morris Beller.....Reactor
Anthony F. Lo Monte.....Medical
Victoria L. McLane.....Nuc. Energy
Serafin R. Vargas....Saf. & Env. Prot.

25 Years

Hans F. Abendroth.....Physics
Paula E. Hughes.....AGS
Charles A. Nielson.....NSLS
Edwin Taylor.....Comp. & Comm.
William F. Taylor.....Nuc. Energy

20 Years

Alexander F. Pendzick.....AGS
Charles F. Vogel.....Cent. Shops
David O. Welch.....App. Science

10 Years

Rose M. Almasy.....Tech. Info.
Dollie L. Johnson.....Plant Eng.
Ahovi E. Kponou.....AGS
Thomas E. Langdon.....Biology
Barbara L. Pierce.....App. Science
Rajeshwar S. Yadav.....Plant Eng.

Saturn (cont'd)

tope is converted to electrical energy through silicon-germanium thermocouples. In the case of Cassini, the radioisotope is ^{238}Pu.

At present, the U.S. and the former Soviet Union have 14 RTGs and 27 reactors in space, providing nuclear power to space missions such as the Ulysses mission around the sun and the Galileo probe of Jupiter.

Reporting to the White House, the INSRP is made up of scientists and engineers selected by the three agencies involved — the U.S. Departments of Energy and Defense, and the National Aeronautics & Space Administration — to evaluate objectively the risks associated with each launch of an RTG or nuclear reactor.

The two subpanels that met at Brookhaven are concerned with the meteorological effects and the biomedical and environmental effects, respectively, that would be faced on earth if all did not go as planned for the Cassini mission. Their findings will be reported to the executive branch's Office of Science and Technology Policy by August 1997.

— Marsha Belford

R/C Model Club

The BNL R/C Model Club will meet on Wednesday, September 23, in the lounge of Berkner Hall at noon. New members are welcome. For information, call John Raynis, Ext. 3783.

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.

LABORATORY RECRUITMENT - Opportunities for Laboratory employees.

NS 0717. RESIDENCE CUSTODIAN - Staff Services Division

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside candidates.

DD 0475. PROGRAMMING POSITION - (part-time, term appointment) Requires a BS, advanced degree preferred, in applied mathematics; experience in dynamic systems theory and extensive computer programming experience. Must be proficient in FORTRAN, C and C++; experience with the UNIX operating system required, as is knowledge of the Silicon Graphics line of computers, particularly in writing device drivers. Experience with FASTBUS and FASTBUS devices, and experience using and programming the Kinetic Systems Scanner Processor also required. Physics Department.

NS 1068. ENGINEERING POSITION - Requires BS/MSME and a minimum of five years' experience. Knowledge of ASME pressure-vessel and pressure-piping codes required; helium refrigeration-systems operating experience desirable. Work will involve cryogenic system-process calculations, and the design of pressure and vacuum vessels. RHIC Project, Accelerator Development Department.

LF 0173. TECHNICAL POSITION - Requires an AAS degree in electronic technology or equivalent experience, and background in complex electronic and electromechanical equipment. Responsibilities include constructing, repairing, modifying and operating equipment and facilities at the Tandem Van de Graaff Accelerator. Must be willing to work shifts. Physics Department.

Motor Vehicles & Supplies

90 FORD F250 LARIAT 4x4 - ac, tilt, 5-spd., bedliner, toolbox, custom wheels/tires, ext. warr., black, 24k mi., $15,500 neg. Keith, 473-6762.

89 MAZDA B2600I 4x4 - extra cab cap, p/s, p/b, ac, tinted windows, Kenwood stereo, mint in/out, asking $8,500. Nancye, Ext. 3345.

89 CHEVY CAVALIER - loaded, 59k mi., clean, economical, runs well, reliable trans., $4,600 neg. Fish, Ext. 5320 or 277-2112.

89 PONTIAC GRAN PRIX - 2-dr., gray, a/t, ac, 60k mi., $6,500 firm. Pat, Ext. 2539.

87 TOYOTA MR2 - T-top, a/t, ac, p/s, p/b, cruise, am/fm stereo cass., excel. cond., many extras, $6,500 neg. Ext. 5922 or 475-2870.

87 MUSTANG GT - red, 5.0, 5-spd., ac, am/fm cass., 43k mi., orig. adult owner, $7,250. Jerry, Ext. 3930.

87 TOYOTA COROLLA - 4-dr., a/t, blue, 70k mi., $4,200. 589-7429.

86 MAZDA 626 - 70k mi., good running cond., asking $3,000. 363-7032.

86 PLYMOUTH VOYAGER - 2.6 liters, a/t, am/fm, ac, 80k mi., v.g. cond. Ext. 2420/4830 or 341-1025.

86 CHEVY CHEVETTE - red, good cond., 4 new tires, moving, $1,300 neg. Tony, 286-9426.

86 JEEP WAGONEER LTD - loaded, p/everything, 100k mi., excel. cond., asking $5,575. Henry, Ext. 5214 or 727-7227.

86 BUICK SKYHAWK - 2-dr., black, p/s, p/b, am/fm stereo, ac, new battery, good cond., asking $2,350. Mike, Ext. 3981.

85 ESCORT WAGON - 5-spd., 97k mi., orig. owner, good cond., well maint., $1,250. Mark, Ext. 4347 or 924-2932.

85 JEEP CJ7 - 6-cyl., p/s, 63k mi., new tires & summer & winter tops, excel. cond., $5,000 neg. 878-6729 after 4:30 p.m.

85 CAPRI - rare, 5.0, looks like Mustang GT, black, T-top, a/t, ac, all power, loaded, must see, $4,500. Sharon, Ext. 2517 or 698-2798.

85 ISUZU I-MARK - 4-cyl., needs 5-spd. trans. or good for parts, make offer. Frank, Ext. 4446.

85 CHEVETTE ENGINE - 38k mi., excel. cond., $200. Duke, Ext. 2957 or 289-3586.

84 MAZDA B2000 PICKUP - w/cap, 83k mi., new tires, battery, tune-up, oil changed every 3k mi. Joann, Ext. 5671 or 472-6742.

83 MAZDA GLC - h/b, blue, 4-spd., m/t, runs well, $650. Warren, Ext. 4939 or 924-7552.

80 CORVETTE L-82 - T-top, 50k orig. mi., mint cond., $12,500. 281-3322 eves.

80 CITATION - rebuilt motor, new brakes & exhaust system, 30 mpg, $450. 589-4531.

80 DATSUN 210 - wagon, 5-spd., ac, high mi., runs well, $400. 732-6079.

79 FORD FAIRMONT - wagon, p/s, ac, stereo cass., runs well. Roy, Ext. 7531 or 929-3550.

78 VIKING POP-UP CAMPER - sleeps 4-6, needs some work, $500. Bill, Ext. 7961.

73 HONDA CB350 MOTORCYCLE - 14k mi., stored for last 3 yrs., needs battery, $200. Hurst, Ext. 3844.

71 GMC VAN - heavy-duty, 35 series, 350 V-8, 3-spd. on column, needs brake-line repair, $200 firm. Bill, 924-5505.

70 COUGAR XR7 - 67k mi., body in good shape, brown leather int. & top, 351, runs well, $950. Tony, 281-2513.

70 CHEVY IMPALA - 2-dr., a/t, ac, 120k mi., runs well, for restoration project, incl. spare trans., make offer. Bob, Ext. 4002.

69 CORVETTE - new motor, new front end, hard top, more, $11,000. Tom, 289-1705 or 698-2755.

CAP - A.R.E., alum. w/ladder rack, side opening door w/tool bins, rear opening glass door, black, Mazda, etc., excel. cond. Mike, Ext. 3981.

TIRE - Wrangler 205-75R-14. $10. Frank, 281-1457.

RUNNING BOARDS - Dee-Zee, aluminum, never used, 67" long, orig. $180, asking $90. Chris, Ext. 2022 or 395-6112.

RIMS - 4, A.R.E. Directional, 6-lug, Chevy, w/caps & lugs, orig. $135 ea., $200 for 4. John, Ext. 5565.

LADDER RACK - for pickup truck, $100; Panasonic am/fm cass stereo, $50. Donna, Ext. 2716.

TIRE - Eagle GT, 225/50VR/16, Goodyear, excel., reasonable offer; Fuji bike, 18-spd., 27", touring series IV, w/rack, $250. 474-3799.

92 KAWASAKI EX-500 - red, white & blue, excel. cond., John, 588-0910.

91 RM250 DIRT BIKE - extras, ask. $1,400; '89 Chevy Blazer S-10, 4.3 litre, 80k mi., h/d trailer pkg., ask. $8,900. Lois, Ext. 4904 or 929-4753 eves.

91 TOYOTA TERCEL - 5-spd., ac, tape deck, blue, $7,599. W. Loss, Ext. 3086.

91 PLYMOUTH LASER - red, 5-spd., p/s, p/b, ac, am/fm, 19k mi., $9,500. Mike, Ext. 3082 or 467-4975 after 6 p.m.

90 NISSAN 2x4 - 19k mi., 5-spd., red, bedliner, excel. cond., orig. owner, must see, $6,900 firm. Sue, 928-7571.

90 KAWASAKI 550 MOTORCYCLE - 1.6k mi., garaged, $3,500 neg. 399-6585.

90 NISSAN 300ZX - 19k mi., gold, showrm. cond., a/t, leather, elect. pkg., T-top, Bose stereo, loaded, clean in & out, $20,500. Amy, 924-7552.

89 PLYMOUTH SUNDANCE RS - 18k mi., a/t, ac, p/s, p/b, sunroof, p/w, p/l, am/fm cass., SPT, WHIS, fog light, $7,000. Eric, Ext. 5875.

89 MERCEDES BENZ 190E - 2.6, excel. cond., $22,000. Ellen, 665-4495.

88 CHEVY 4x4 PICKUP - ¾-ton, linerbed, cap, ac, new tires, am/fm cass., 70k mi., $7,800. Lori, Ext. 3046 or 369-7809 eves.

87 CADILLAC SEDAN DEVILLE - loaded, fully powered, 75k mi., orig. owner, car phone, leather int., more, excel., $6,800 neg. John, Ext. 4660.

86 SUBARU - s/w, 4wd, 41k mi., excel. cond., avail. mid-Oct., $3,600. 727-8631.

86 PLYMOUTH VOYAGER - 83k mi., p/s, p/b, ac, am/fm cass., excel. cond., $5,200. Bob, Ext. 2309 or 821-3306 eves.

85 T-BIRD - 8-cyl., very clean, well kept, $2,500 neg. Ext. 2697/2674 or 744-2870, leave message.

84 DODGE OMNI - needs clutch, good for parts, new batt., Goodyear tires, extras, $150. Ext. 3983.

83 HONDA CB1100F MOTORCYCLE - red, white, black, classic, low mi., stock exhaust, excel. cond., custom cover, $2,000. Ron, 732-6712.

81 TOYOTA TERCEL - 2-dr. h/b, 5-spd., m/t, orig. owner, 151k mi., runs well, $550 or best offer. Nick, Ext. 3205 or 267-3434.

80 CHEVETTE - 2-dr. h/b, a/t, ac, fm/stereo/cass tape, radar det., new brakes, M/S tires & timing belt,$600. George, Ext. 3061 or 751-0265.

79 MONTE CARLO - new brakes, family owned, 305 eng., runs well, must see, $850. Bob, Ext. 2351.

79 CHEVY IMPALA - v.g. cond., runs well, $950 neg. Kim, Ext. 7247.

74 CHRYSLER TOWN & COUNTRY - wagon, a/t, ac. Tony, 698-9274.

72 CHEVY C10 PICKUP - 60k mi., new tires, excel. work truck, $1,000 neg. Artie, 696-2398.

72 CHEVY BLAZER - 4-spd., & transfer case, $300; Ford, am/fm digital stereo radio, $40. Jim, Ext. 4026 or 821-9814.

67 CHEVY BOX NOVA - 2-dr., best offer. Rich, Ext. 7871.

FORD RANGER PICKUP - 54k mi., w/cap, 4-cyl., one owner, good cond., moving golf cart, $9; coal stove, $200. 878-6637.

AMC EAGLE - 4wd, runs well, $250. Ext. 3496 or 924-2722.

RIMS - one w/D78-14 tire, 4 holes; one w/8.25-14 tire, 5-holes. Dolores, Ext. 2907.

CASSETTE DECK - Pioneer, auto reverse, loudness button, no am/fm, like new, $50. Sue, Ext. 4931.

CAR-TOP CARRIER - Sears, large, $65; Tuffbox carrier for midsize pickup truck, lockable, new, $75. Ray, Ext. 4428 or 467-8297.

MOPAR & CHALLENGER PARTS - worked 340, 318, Eldelbrock intake, 727, 924; Fairbanks stall spd., sway bars, more. Tom, 698-0596.

ROOF RACK - Yakima, for small & med. cars w/rain gutters, $70; CB w/magnetic antenna, $20. Siggy, Ext. 4360.

TIRES & RIMS - mounted, F70-14, all terrain, 6-lug, 4 ea., like new, $25/set. 281-8168, leave message.

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

TIRES - 14" radials, good cond., $20 ea, $35/2. 369-0432.

PICKUP CAP - good cond., asking $100. Jim, 732-1243.

Boats & Marine Supplies

22' MARSHALL CATBOAT - freshwater-cooled Yanmar diesel, VHF radio, depth sounder, Danforth compass, head. Gordon, 477-2269.

21' RENKEN - 1980, cuddy cabin, port-a-potty, Volvo eng., fish finder, etc., best offer. 878-5825.

18' STARCRAFT BOWRIDER - 1984, '89 90-h.p. oil inj. Evinrude, full canvas, low hrs., Shoreline trailer, $4,500. 369-0432.

15' BOAT - 1987, alum., 15-h.p. motor, trailer, 2 gas tanks, lights, extras, excel. cond., asking $1,100. Walt, Ext. 3848 or 758-9220 after 6 p.m.

WINDSURFING SAIL - 4.5m² North Izzy Wave, Maui edition, $125. Joe, Ext. 4139.

23' WALK-AROUND FISHERMAN - 200-h.p. i/o, elec., full Bimini, deep cuddy, new Magic-tilt, tandem axle trailer w/power winch. Larry, Ext. 4295.

20' MARATON 87 - 130-h.p. i/o, Merc., VHF, DF, all the extras, 1987 Shoreline trailer, mint cond., $6,800 neg. Artie, 696-2398.

Furnishings & Appliances

TABLE LAMPS - 2, white glass, 3-way bulb switch, $20/ea. Joe, Ext. 2898.

WALL UNIT - $300; exercise stepper, $100; wicker chair, $25. 265-4572.

BED - twin, mattress, boxspring, frame; couch, blue/gray; entertainment center, 47"x49"; 36" round table, w/2 folding chairs. 474-3799.

BED FRAMES - twin-size, 2, $10/ea., $18/both. Mike, Ext. 7941.

BEDROOM FURNITURE - 2 red maple beds, twin-size, 3 dressers, nightstand, mirror, good cond., $150. Ray, Ext. 3680.

BEDROOM SET - boy's or girl's, solid maple, dresser, side dresser, mirror, 4-poster bed, $300. Ext. 3496 or 924-2722.

BEDROOM SET - Italian Provincial, all wood, 5-piece set, mint cond., $500. 281-8967 after 4 p.m., leave message.

DINING TABLE - dk. pine, 6'x3', two 1' leaves, 8 chairs, china closet, server, $1,300; maple entertain. center, w/radio, etc., $150. 929-4701.

DISHES - porcelain china, service for 4 or 8, pastel flower design, brand-new, never used, $30/four, $60/eight. Ext. 5922 or 475-2870.

DISHWASHER - Magic Chef, less than 1 yr. old, $225; blue queen sleeper, reclining sectional, orig. $3,500, best offer. Tom, Ext. 7287 or 744-4535.

DRYER - GE, model DDE7900, brand-new, never used, elec., large capacity, almond color, asking $375. Teri, Ext. 5800 or 289-2925.

END TABLES - Lane, walnut, $150/pair. Wells, 878-4214 eves.

END TABLE - $10; coffee table, $10; large mirror, $10; stroller, $10; electric typewriter, $75; chair w/cushions, $10. Kathy, 744-2203.

KITCHEN TABLE - 58" table w/leaf, 4 swivel bucket seats, $100. 467-8297. Penny, Ext. 2625.

LIVING ROOM SET - black leather-look, 2 couches, ottoman, 2 glass, brass & black end tables, coffee table, $1,650. Chris, Ext. 4030.

MATTRESS & BOX SPRING - twin-size, like new, $50. Leo, Ext. 2952.

ROCKING CHAIR - $20; foldout card table, $10; large luggage chest, $10; side table, $5; 4'x3' brown rug, $10. Denise, Ext. 3846 or 878-3618.

SOFA BED - Castro convertible, gold w/brown trim, king-size, v.g. cond., $95. Tom, Ext. 4507 or 878-1060.

VACUUM - Dirt Devil, portable, w/access., $30. 924-8558.

WASHING MACHINE - GE, 8 yrs. old, needs work & parts, $25. Ext. 5750 or 929-5584.

Tools, House & Garden

GREENHOUSE - Lord & Burnham, 10'x18', curved glass, alum.; Japanese trees, red, $10-$45+; Sears tractor. Mauro, 265-6542 after 6 pm.

FIREPLACE - Vermont Casting, insert, like new, orig. $1,500, now $475 neg. Mike, Ext. 3981.

LAWN MOWER - Yardmaster, 20" cut, rear bag, 3½ h.p., $75; Craftsman riding mower, 6 h.p., 26" cut, $200. Dan, Ext. 4987 or 698-7322.

PATIO FURNITURE - table, 40" round, 4 matching arm chairs, white, high quality plastic, brand-new, $147/all. 929-4446.

SKYLIGHT - Insuladome, 30"x45", brand-new, still in box, fixed unit, $250. 928-0397.

SPLIT WOOD - seasoned, 4 cords, $100/cord; golf cart, $9. 878-6637.

WHITE PINES - white spruces, up to 5' high, nursery grown, $2/per foot. John, 744-5867.

BANDSAW - Start Rite, metal cutting, horizontal, model, H175, $300. Fred, 878-4254.

COAL STOVE - Classic Lion, 60k Btu, like new, self-feeding, asking $350. Bob, Ext. 7238.

LAWN MOWER - Toro, 21", self-propelled, mulches, excel., $275. J. Washburne, 589-3608.

LAWN MOWER - Snapper, 21", w/mulching kit & blade, 3.5 Briggs & Stratton eng., $50. Chris, Ext. 2326.

MAPLE TREES - Japanese red, $10-$45+; Sears riding tractor, 12 h.p., 4' deck, snow blower, batt. start, tow trailer. Mauro, 265-6542 after 6 p.m.

OIL BURNER - Wayne retention head, $75; pool ladder, s/s, vacuum head, hose & pole. 286-6858.

Sports, Hobbies & Pets

BIKE - adult's, 3-wheel, w/basket, good cond., $85. 281-7844 eves.

BICYCLE - woman's, 10-spd., Panasonic, 27" tires, almost new, $75. 473-2473.

BIKES - assorted, contents of house. Sue, Ext. 7235 or 395-3529.

CAMERA - 35mm, Pentax 1000, w/adjustable focus, carry case; 12" b&w TV. Kathy, Ext. 2267 or 395-6520.

DOG GROOMING DRYER - professional, free-standing, adjustable height & heat, quiet operation, $75. P. Fish, Ext. 5320/2922 or 277-2112.

DRIVER - master grip boron-carbon graphite shaft, like new, perfect, $40. Culwick, Ext. 4930.

EXERCISE BICYCLE - DP Airgometer, w/Bionix fit computer, $190; Tumisizer, hardly used, $15; coffee table, $15. Angela, Ext. 7321.

FLUTE - Artley, needs tune-up. Janet, Ext. 2345 or 929-3910.

BICYCLE - 10-spd., $30. Siggy, Ext. 4360.

CAMERA - Nikon F3, 28-70 zoom telephoto lens, flash, w/bag, $475 firm; ferrets, neutered, cute, great w/kids, descented, cage, access. 924-8558.

CAMERA - Canon Canonet 28, 40mm, 1:2.8 lens, w/case, also Vivitar 252 auto flash w/case, $30. Mike, Ext. 7941.

COMPOUND BOW - Golden Eagle turbo, left-handed, 29-30" draw, 65 lb., quiver. Mark, Ext. 4289.

CORNET - Conn w/case, excel. cond., asking $135. Walt, Ext. 3848 or 281-9299 after 6 p.m.

DOG CRATE - 21"x36"x24"H, folds flat, good for training or housebreaking, $50. Tom, Ext. 7196 or 286-2505.

FLUTE - model M2, Gemeinhardt, excel. for student, v.g. cond., $125. Penny, Ext. 2625 or 467-8297.

LENS - Soligor, 75-205 zoom, w/macro, Nikon AI mount, built-in hood, hard case, $50. Chris, Ext. 2326.

PUPPIES - chow-chow, 3, adorable, 2 white, 1 red, parents AKC reg., $200/ea. Ext. 3426.

SKIS - 195 Blizzard V20, Marker M48 bindings, poles used 1 season, mint cond., asking $300. John, 744-7406.

TENNIS BALLS - like new, $1/three or $3/twelve. Ext. 7505.

Audio, Video & Computer

COMPUTER DESK - 4 mo. old, orig. $125, sell for $60. Jim, Ext. 4026.

COMPUTER - Atari 520ST, color monitor, 2 disc drives, mouse, assorted software, musician or beginner, $150 neg. D. Wadman, Ext. 5384.

COMPUTER - XT compatible, EGA color monitor, one 5¼" disc drive, mouse, 32 MB hard drive, Panasonic dot-matrix printer. Steven, Ext. 5694.

PREAMP - Hafler DH-110, excel. cond., complete w/manual & box, $250. Chris, Ext. 2326.

STEREO - tape deck, cass., headphones, etc., never used, orig. $250, sell for $100. 929-4701.

TV - Zenith, 23", color, pedestal, like new, $150. Jim, Ext. 4696.

TV - Quasar, 15", color, $40; am/fm stereo, phono, cass., $20; bow w/string, $10; assorted acrylic paints, $2/ea. Denise, Ext. 3846 or 878-3618.

Miscellaneous

BUS TRIP - West Point, Sat., 11/21, Army vs. Boston College, bus, food, refreshments incl., $50/ea. Ron, Ext. 4144, or Bob, Ext. 3299.

COCKTAIL SUIT - Dynasty, 3-piece w/beading, pale pink, size 12, $150. Ruth Ann, Ext. 7774.

DRAFTING TABLE - professional, w/straightedge, drawers, light, stool, 5'x3', $350. 331-3766.

DRESS - formal, rich green taffeta, knee length, fitted waist, puff sleeves, bowed back, size 8/10. Dolores, Ext. 2907.

INFANT'S SWING - $20; bassinet, practically new, $20; handmade sweater sets. Janet, Ext. 2345 or 929-3910.

Lost & Found

LOST - Olympus 35mm camera, 9/11, on site, first day of kindergarten pictures still inside, very special. Ext. 7192.

Free

BIKE - 16", good condition. Ext. 7505.

CAT - female, mixed Siamese, unspayed, approx. 5 yrs. old, needs loving home & family. Susan, Ext. 7578.

Yard & Garage Sales

BELLPORT - contents of house, Sat., 9/19, 9 a.m.-3 p.m., rain/shine, antiques, collectibles & more, 10 Bell St., off Bellport Lane.

ROCKY POINT - Sat. & Sun., 9/19-20, 9 a.m.-5 p.m., children's clothing, furn., housewares, toys, misc., 20 Westchester Dr., near Sears outlet.

YAPHANK - Sat., 9/19, 10 a.m.- 4 p.m., 70 families participating in the Whispering Pines-Colonial Woods sale at clubhouse, rain date 9/20.

Car Pools

NYC/BOROUGHS - willing to car pool, any days. John, Ext. 7669.

Wanted

ALUMINUM BOAT - Duranautic, 13' or 14'. Joe, Ext. 2898.

APARTMENT - 2-bdrm. apt./cottage, Huntington-Setauket, prof. couple. Rob Klein, Ext. 3032.

BABY'S CHANGING TABLE - and solid wood rocking chair. Lori, Ext. 3046.

BOAT TRAILER - for 17' boat, in good condition. Mark, Ext. 4289.

BOOKS - Matt Helm series by Donald Hamilton, have first 16 books, looking for next 10 books. Paula, Ext. 4619.

CAR SEAT - Nintendo tapes. Ext. 7192.

CHILD CARE - full-time, safe & loving for 14-mo.-old infant, on or near Lab site. Paula, Ext. 3293 or 751-8240.

GUITAR - low price in good condition. Ext. 1020.

HESS TRUCKS - prefer mint, in box, singles or collections, top $. Jim, Ext. 4026 or 821-9814.

MUSIC - calliope, circus or carousel, any format, to use briefly. Nancy, 878-6947.

TRUMPET - w/case, reasonably priced, good cond. Bob, Ext. 3457 or 737-1786.

VCR - reasonable, need to change channels only, does not need to play tapes. Dorry, Ext. 2078.

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