

Pollution Studies In High Gear

Government scientists are taking another close look at one aspect of the nation's energy crisis. They are chasing down sulfur, a contaminant often released into the air when coal and other fossil fuels are burned.

Bob Garber, a chemist in DAS, is tackling research in the largest "experimental beaker" in history. The reaction vessel is 200 miles long and 2 miles wide, with a depth of about 2,000 feet.



Garber and Fink work on the installation of some equipment in the MAP3S plane which took several months to outfit.

He intends to follow the actual clouds of pollution emitted from operating fossil-fueled power plants, as the air masses migrate along the east coast. The scientists on the project feel the only way to know what the pollutants are doing is to get in to the air with them.

"As soon as you remove the chemicals from the atmosphere, you've changed the environment of the material," said Garber. "Tank and chamber experiments have complicated matters by introducing reactive sites like walls. The reaction vessel we will experiment with is bounded on only one side, by earth."

Under Leonard Newman, DAS has pioneered the development of accurate sul-

fate pollutant measurement. Brookhaven is one of three leading laboratories in MAP3S, the Multi-state Atmospheric Power Production Pollution Study, being sponsored by ERDA.

The intensive three-year series of MAP3S flights requires several small aircraft manned by scientists and outfitted with sensitive detectors. Through the research, they hope to learn precisely what sulfur does when it gets into the atmosphere.

"Sulfur is generally put in the atmosphere as sulfur dioxide (SO₂) by fossil fuel burning systems, from both home heating and especially power plants," said Newman. "What most people think eventually happens, is that through atmospheric oxidation - chemical combination with oxygen in the air - the sulfur is converted to sulfate species."

These sulfate species seem to create some degree of health hazard to man and the environment. Sulfuric acid (H₂SO₄), which causes acid rainfall, is a fairly well-documented environmental hazard.

Energy planners hope to meet increasing demand and reduce reliance on oil by using more coal. But there is a fear that shifting to coal would create more sulfur emissions and harm the environment.

With emission controls, strategists can then employ coal resources to the greatest possible advantage. The problem is that nobody knows which controls are most effective.

For example, researchers have found that controlling sulfur oxide emissions in urban areas does not have a great effect on the concentration of sulfur oxide particulates. To utilize costly control measures effectively, they need to know if such phenomena are due to transport over long distances or chemical conversions taking place locally.

Brookhaven's plane began collecting data earlier this week. The course they fly is a triangle formed by points on a map at: Indian River, Delaware; Scranton, Pennsylvania; and Montague, Massachusetts.

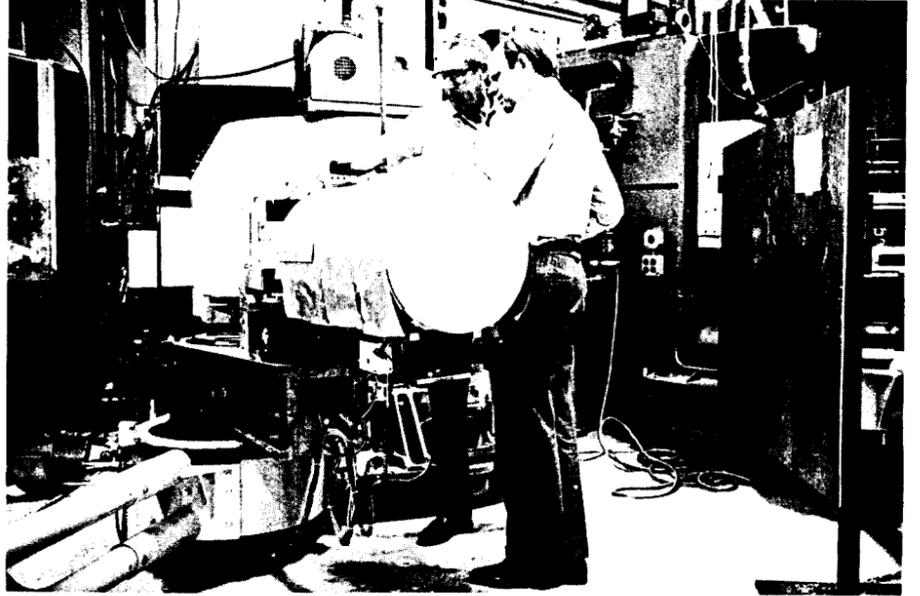
Throughout the flight, the instruments record meteorological and geographical information. Simultaneously, sensitive detectors monitor corresponding levels of pollutants. For example, at any given time and place, they will know the total levels of sulfate and sulfite species present and the weather conditions under which this was observed.

"This gives us a total feeling of what is happening in the region," said Garber. "I can watch the total sulfur level and see how it varies geographically."

But the scientists also want to know what the sulfur is doing. They use special filters prepared by Dan Leahy to collect air samples over distances as long as 100 miles. These discrete samples are analyzed back

(Continued on page 2)

Task Force Chairman Visits Lab



At the HFBR, Laboratory Director George Vineyard (left) shows a beam port to Everett T. Keech, Assistant Secretary and Controller of the Air Force. Mr. Keech is also Chairman of the Department of Energy (DOE) Task Force on Field Structure and will make recommendations as to the structure of DOE field installations.

Conserving Fuel Pays

For the last 12 month period ending June 30, 1977, the Laboratory was not only able to save dollars on fuel, but was able to reduce its consumption of that precious commodity. This is particularly significant because this period was the coldest since 1967.

At the central steam plant, 6,441,395 gallons of fuel oil was burned, at a total cost of \$1,770,825. According to Vincent O'Leary, Associate Director for Administration, this fuel oil would have cost almost \$550,000 more had it not been for the alertness of Nelson Tyler, Supply & Materiel; William Rogers, Division of Contracts and Procurement; and M.J. Rose in Plant Engineering.

They were able to obtain oil as surplus from the Battleships Iowa and Wisconsin,

and most recently excess jet fuel from the Air Force. These supplies, together with liquid fuels resulting from "pipeline interfaces," combustible solvents, light distillates, and fuel oil from oil tank cleaners, were acquired at prices ranging from 13¢ to 19¢ per gallon. The basic fuel was virgin #6 oil, 1% sulfur, purchased at a cost of 36¢ a gallon.

Even though the area to be heated in 1967 was .4 million square feet less than in 1977, the Laboratory burned 838,730 gallons more fuel oil a decade ago. O'Leary said that "had we consumed fuel in 1977 at the same rate as 1967, adjusting for the increase in square feet, we would have burned 8,400,000 gallons at the central plant. Our energy conservation efforts therefore saved approximately two million gallons of fuel."

Roots of Racism

Racism did not suddenly appear in America. . . it was institutionally developed, according to lecturer Roy Wood. This was his historically based assertion delivered in Berkner Hall last week under the title "Politics, Power, and Race."

Wood, who did his graduate work at Columbia University, has served as practitioner and professor of communications in major universities and radio stations across the nation. In New York City, he is now Vice President for Special Programming at the National Black Network News.

In supporting his argument, Wood pointed out that "the first African people coming to America saw a welcome sign." According to his research, the developing region needed the indentured labor and drew from both black and white races equally.

"As recorded by authorities and court records," explained Wood, "I think it can be safely concluded that the first generation of black people in America found themselves in the same socio-economic category as did the first immigrants."

Racism is not the same as individual prejudice according to Wood. He argued that racism is a social system that is purposely and institutionally committed to the destruction of a people because of race.

Historical records found by Wood indicated racial "equality of oppression," with prejudice based on class distinctions. But blacks were later singled out for slavery due to economic and political reasons.

Wood verified his assertions by quoting a precise series of legislative developments. These historical events traced a trend reducing concerns for class, culture, and religion to a matter of race.

Wood explained that the transition was completed in the 18th century by the Virginia Legislature. They decreed that anyone with a negro grandparent was legally a negro.

"That would have just about taken up

the whole country," he added. And this was the way the nation created the great human divider known as the color line."

In looking towards the future, Wood showed the difference between rational and naive optimism. He said that in a world where people might still hate, he hoped it would be for "far less idiotic reasons" than race, color or religion.

—Cliff Cockerham

Arthur Upton Heads Cancer Institute

Dr. Arthur C. Upton, Professor of Pathology at the State University of New York at Stony Brook, and a Guest Senior Scientist in Brookhaven's Medical Department, has been named by President Carter to head the National Cancer Institute.

He has held a guest appointment at the Laboratory for the last eight years and, beginning in September 1975 spent a six-month sabbatical leave at BNL. His research interests at that time included radiation carcinogenesis with particular reference to leukemogenesis and to the influence of modifying factors such as dose rate. He was also concerned with the basic neoplastic process and possible models for the study of mutations, chromosomal aberrations, virus activation and interactive effects of chemicals.

Dr. Upton is a strong advocate of preventive measures that people can take to reduce the risk of cancer, among them: the avoidance of smoking, smoke-filled rooms, car and factory exhaust fumes, needless x-rays, smoked or fatty foods, and discretion in the use of aerosol sprays, cleaning fluids, paint thinners and pesticides. Dr. Upton was chairman of one of three committees whose investigations of mammography led to the recent decision of the National Cancer Institute to stop the routine breast x-rays of women under 50 because they might cause as many cancers as they detect.



Scientists from laboratories across the country met at Brookhaven last week in the cooperative ERDA research program known as MAP3S. During their visit, they checked out the new research plane at Brookhaven airport.

Golf

As of the end of July and more than halfway through the season, the BNL Golf League is still nip'n tuck. The leaderboard looks something like this.

In Division 1, group 1, a small lead is held by Kinney/Teixeira over Dioguardo/M. Iarocci and Bull/Mills. Group 2 shows Feindt/Scharpeger with a small lead over DePace/Hanney. Group 3 Eterno/Johnson in the lead followed closely by Caunter/T. Iarocci and Korhut/Mayeski. In group 4 we have a very close 4-way battle between Detweiler/Petro, Bond/Comfort, Millener/Racaniello and Scheschowitz/Starke.

In Division 2, group 5 has a close race between Blair/Walker and Borzi/Scott with Losquadro/Peskin not far behind. Group 6 has Blake/Thomas still unbeaten but with only a small lead over Fontana/Frei. Group 7 is close between Holmquist/Kammerer and Geonie/Scandizzo, but don't count Taylor/Vignato out. Group 8 shows Mohn/Taylor over Dahne/Magee with one of the biggest leads in any group.

We still have 4 more weeks left in the season plus some makeup matches, so at this point it's anybody's guess who will make the playoffs.

The next 18-hole tournament will be held on Thursday, August 11, at Pine Hills. Contact Dick Hanney, Ext. 4192, for details.

Blue Grass At BNL



The McLain Family Band, a blue grass group from Berea, will bring their music to Berkner Hall on Thursday, August 11, at 8:00 p.m. General admission is \$3.00 and \$1.50 for persons under 18 or over 65.

Pollution Studies

(Cont'd)

in the lab to determine the average concentrations of each sulfate species over the large area.

Chemists then examine the relative concentration of sulfate and the various sulfate species in ratios for each area. By comparing ratios as the cloud moves and other conditions change, they can infer what reactions are taking place.

Garber noted, "If I see ratio x at one position and an increased level at a later time/position in the air mass, then we know some oxidation has taken place. A steady level of total sulfur from the detectors, that



Garber and Fink at the controls of the Brookhaven research plane which, when it is in operation, is flown by a professional pilot and the equipment monitored by a DAS crew selected from the operations team of Dan Leahy, Sy Fink, Bob Brown and Bob Garber.

Public Sale of Motor Vehicles

Ten vehicles, located at Warehouse T-87, will be available for public sale.

Inspection will be permitted from August 15 through August 19, during the hours of 9 a.m. to 4 p.m., except Saturday and Sunday.

Bids will be opened on August 23, 1977, at General Services Administration, Business Service Center Bid Rom, 26 Federal Plaza, New York, N.Y.

This will be an informal competitive bidding. Bid forms may be obtained at Buildings 87 and 211. For further details, please call Ext. 2303 or 2977.

Bicycling

The Block Island Ferry from Montauk has a new operator and is still running. Accordingly, a bicycle tour of Block Island is being set up for Sunday, August 14.

The ferry leaves Montauk Harbor at 9 a.m. and arrives back at 5:30 p.m., taking 2 hours each way. Round trip fare is \$14 and bicycles are \$1 more. Because space is limited, advance registration is desirable. Please write or phone Gerry Morgan, Ext. 4841 (289-5433 eves), Bldg. 815, and indicate if you need or can provide transportation to Montauk.

Truck Safety Program



A fork lift safety program, aimed at operators of trucks rated from 2000 to 10,000 pounds capacity, is conducted on site every Thursday. The course was developed by the Safety & Environmental Protection Division to instruct operators in established safe operating rules for load weight, load center, carrying position, operating speed, driving techniques, personal safety practices, and operating and inspection procedures. Training Instructor Pierre Becker gives a lecture in the morning and presents slides and a film on the subject, after which the trainees take a written exam. In the afternoon, they demonstrate what they have learned. Operators are required to take a refresher course every three years. From left to right, some operators who have taken the course with Becker (far left) are: Roger DePuy, Thomas Crews (in truck), Frank Strelecki (on ground), Egon Nemej and Jose Lopez. — photo by Rosen

Summer Program

Pool Special

While the older children, ten years and up, displayed their skills at crazy and fancy dives, the younger ones, ages four through nine, had their share of fun reaching the finish line in the ever popular paper plate race.

Winners (1st, 2nd and 3rd, respectively)

Crazy Dives: Greg Holden, John Hunt, Russell Hayes. Fancy Dives: Maureen Mc Nerney, Kristina Koelblen, Flint Lane. Paper Plate Race (4-6): Donald Litcher, Alyse Holden, Mark Burger. Paper Plate Race (7-9): Brian Dawson, Jennifer Mc Nerney, Pamela Dawson.

Coming Events: this week - relay races, next week - ping-pong ball in spoon race.

On Site Recreation

Last week's scavenger hunt had the children searching for such things as a green caterpillar, a pair of purple sneakers, a left handed monkey wrench, cups of pink steam, watermelon pits and a red-headed parent.

After an hour of hunting and finding, the children were all rewarded with luscious slices of ice cold watermelon.

Coming Events: this week - Halloween party; next week - track and field day.

Other Activities

Coach Carl Verdi reports a very successful basketball clinic held this week with over 20 children in attendance. In addition to learning basic skills, contest and games were organized and enjoyed.

Instructor Mark Myavec would like to remind all children interested in joining the tennis tournament to sign up today. Boys and girls, ages 9-15, are invited. Prizes will be awarded to the winners.

Speakers Bureau

August

August 4, 11 - William Wilhelm (Accel), Custer Institute, Southold, Solar Energy Workshop

August 10 - Max Small (DAS), Smithtown Rotary Club, on BNL's Water Recharge Program

July Addendum:

July 28 - Mark Goldstein (DAS), Center Moriches Rotary Club, on Carter's Energy Strategy

Bowling

Believe it or not, it's time to start thinking about bowling again. Leagues are now being formed for a women's league and a men's league on Tuesday night, a mixed league on Wednesday night at Port Jeff Bowl and a mixed league on Thursday night at Shirley Bowling Center. There is also a possibility of a women's league in the new Coram Bowling Lanes on Monday night.

Entry blanks will be mailed to last year's captains, or may be obtained at the BERA Sales Office in the Cafeteria.

If you are not a member of a team, but would like to bowl, call Carol Beckner, Ext. 3483, who will try to match you with a team.

continuously operate, ties it all together."

A diverse staff at BNL has been working for months preparing their recently acquired plane data collection. Sy Fink has been working with the shops in designing and installing the completed probes, used for collecting air samples.

Joyce Tichler and John Scheib developed a system for processing data from the research flights. The system correlates data collected by meteorological instruments installed by Art Tingle, with chemical data from Garber's equipment.

Later this fall researchers expect to add some newly developed equipment to the plane. As with other advances in MAP3S, scientists strive to get a better focus on the natural processes and how to reach harmony with them. —Cliff Cockerham

Arrivals & Departures

Arrivals

Louis J. Addressi.....	Accelerator
Frederick E. Boland.....	Applied Science
Eugene M. Ferreri.....	Applied Science
Doreen A. Hallinan.....	Fiscal
John J. Hauser.....	Director's Office
Brian T. Holly.....	Plant Engrg.
Harold G. Kirk.....	Physics
Edward A. Kush, Jr.....	Applied Science
Marilyn E. Miller.....	Medical
Joel S. Rosner.....	Physics
Richard R. Savoy.....	Central Shops
William L. Sherry.....	Director's Office

Departures

Steven J. Hill.....	Safety & Env. Prot.
Marjorie Anne Klenin.....	Applied Science
James J. Kolata.....	Physics
Thomas S. Luhman.....	Applied Science
David L. Miller.....	Applied Science
Philip G. Russell.....	Applied Science
Daniel F. Shreeve.....	Medical

Awards Presented



Recently, Dr. Robert B. Aronson, (standing far left) Acting Chairman of the Medical Department, presented service awards to 12 employees. Seated, from left, are Harry Hankins - 30 years; Ethel Cox - 20 years; Lorraine Tassinari - 20 years; Norma Gillespie - 25 years. Standing, from left, are Claudia Tyler - 10 years; Ralph Tuthill - 10 years; Betty Rauso - 10 years; Eleanor Anderson - 20 years; Oscar Gonzalez - 20 years; William James - 20 years. Joseph Cardamone - 20 years and William Walsh - 30 years, also received service awards.

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Rambling Around

These are bits and pieces picked up from here and there with occasional observations by the Editor:

• The subhead of a story in the New Scientist of June 23 read "Delegates at the Second International Conference on the Environmental Future have acknowledged unanimously that there is a virtual certainty that the greatest human catastrophe in recorded history will occur in the lifetime of most of us." In view of this cheery news, it would seem only fitting that the Laboratory, in accordance with its enlightened benefits policy, add a "catastrophe" day to the snow days, sick leave and vacation provisions. Perhaps it could be a "floater" ready to be plugged in when the occasion arises, although it would make more sense to be able to take it in advance.

• In that same article, the author cited a bumper sticker which graphically illustrated an anti-environmentalist attitude, particularly prevalent in regard to energy-related projects: "If you are hungry and unemployed, eat an environmentalist."

• It could only happen here: a funeral home in Louisiana has given us the ultimate drive-in. According to a note in the Hastings Report, this funeral parlor "has created a five-by-seven foot window in which an open coffin can be displayed to motorists who stop to pay their respects." The driver can sign the register and wave toodle-oo without inconveniencing himself in any way. The director of this establishment maintains that this kind of farewell is becoming more popular "because it is more informal and gives people who don't want to get dressed up a chance to express their condolences."

Cafeteria Menu

Week Ending August 12, 1977

Monday, August 8	
Tomato vegetable soup	
Keilbasy w/sauerkraut	1.15
Grilled ham steak & 1 veg.	1.30
Hot deli - pastrami	
Tuesday, August 9	
Cream of potato soup	
Southern fried chicken & 1 veg.	1.15
Macaroni & cheese & 1 veg.	1.05
Hot deli - veal & peppers	
Wednesday, August 10	
Beef barley soup	
Tuna noodle casserole	1.10
Hot deli - corned beef	
Special	
cup of soup	
Tacos & Refried Beans	
pie or jello, small beverage	\$1.87 plus tax
Thursday, August 11	
Chicken noodle soup	
Chili dogs & rice	1.05
Salisbury steak & 1 veg.	1.25
Hot deli - baked Virginia ham	
Friday, August 12	
New England clam chowder	
Broiled filet & 1 veg.	1.15
Roast sirloin of beef & 1 veg.	1.35
Hot deli - meatball & peppers	

"Absolutum obsoletum - if it works it's out of date." — Stafford Beer (1926-)

"A hen is only an egg's way of making another egg." — Samuel Butler (1835-1902)

"An intellectual is someone whose mind watches itself." — Albert Camus (1913-1960)

Softball

Employees' League

Power Packers 8 - Charlie Browns 7

In a well played matchup, the Pack came from behind twice to beat the injury riddled Charlie Browns. Bob Von Hollen of the Charlie Brown showed good pitching form.

Nuke Powers 23 - Medical 12

Mad Herman (5 singles) and the Nukes put on another hitting barrage to down Medical. The victory puts the Nukes in first place for the second half, but don't count out the Charlie Browns. The two meet in a double header on August 9 that could decide the second half.

Mixed League

I Don't Knows 9 - Turkeys 3

Tom Polistina hit the circuit; two singles, a double, a triple and a home run - 5 for 5. Doug Gillette also hit a home run. Great defensive playing by the infield, June Polistina and Pat Webster, enabled the I Don't Knows to win. Another excellent performance by Nick Masciopinto on the mound.

Diamonds 25 - Trouble 3

Home runs were hit by Vito Manzella, Chuck Carlson and Ken Asselta.

TNT's 7 - Hard Ballers 2

Another victory for the TNT's. A fantastic play by Gary Goldstein diving into second base caught Mike Losquadro by surprise, but not the umpire, for an easy out.

Oh Kay's 27/Balls & Strikes 12

Sydell and Collos Lamb each went 4 for 5, Donna Mason scored 4 runs and Tony Mercer had 3 hits for the winners. Norman Schechter had a good game with 2 triples and a home run.

Soccer

Last week BNL took it on the chin twice. BNL played with eight men against Holbrook as several players are sidelined due to injuries. The score at the half was only 1-0, favoring Holbrook. At the ¾ mark, the game was made 2-1 on a goal by Batchelor. The outnumbered BNL team tried to tally by playing offense, but were unlucky and fell back to 3-1 on a Holbrook breakaway. The same game plan produced a 5-1 deficit at the end.

Medford Brauhaus beat BNL 2-1 on a disputed goal coming at a time with an injured man on the field. The BNL goal was on a well placed header by Hosseini.

The last game of the regular season is next Tuesday, August 9, against Dunten Inn at Bellport, Middle School.

Tennis

The 1977 annual tennis tournament was successfully completed with finals matches this past week. Thanks to all participants for their pleasant, competitive spirit - you made the tournament.

In mixed doubles the team of Mary Jane Stangby and Andy Kevey appeared invincible as they defeated Chris Saitta and John Elmore, 6-3, 6-3. Sterling net play by Mary Jane and Andy and astute strategy were evident throughout.

Andy's domination in the men's doubles continued as he led a new partner, Mike Gingold, to another championship over Tom Koetzle and Shozo Takagi. Excellent use of the lob by the winners and steady play marked the match, with the final score 6-1, 7-6. The winners have their names inscribed on the Walter Merckel Cup.

Chris Saitta with Nan Dudek formed a formidable combination in the women's doubles in defeating Gail Williams and Vivienne Emery in a well played match. The final score was 6-2, 6-3.

In the singles contests the spectators were treated to first rate tennis. In the women's finals Shizue Iwai defeated Chris Saitta in a closely contested match, 6-4, 7-5. The play was highlighted by long baseline rallies and excellent play by Chris and Shizue. The games were all closely contested and exciting. At the end Chris' rally from behind fell short as Shizue prevailed.

In men's singles one of the finest matches in BNL championship history was played by John Elmore and Alan Rosenberg, players of opposite styles. John attacked with slashing serves, ground strokes and volleys and Alan with superb precision and control. Service breaks were earned and many games went to deuce. The first set went to Alan 5 points to 4 in a tiebreaker. Although John got off to a fast start in the second set it too ended in a tiebreaker, which Alan won to take the match. His name is inscribed on the Alan Auskern Cup.

It was exciting, first-rate tennis throughout and the finalists and semifinalists can be proud of their performance. It was a fine tournament enjoyed by all. Look forward to next year.

The Tennis Awards Party will be held on Wednesday, August 17, 1977, at 5:30 p.m. in the Recreation Hall. There will be a \$2.00 per person charge, payable by August 12th to the Party Chairlady, Marge Stoeckel, Bldg. 134A.



The BNL Roadrunners after their victory in the Suffolk County Heart Association meet held in Rocky Point on Sunday, July 10. —photo by Rogers

Runners' Corner

On July 10, about 20 BNLers participated in the Suffolk Heart Association meet organized by the Rocky Point Joggers. Included in this meet was a ½-mile run for 12 years and under, a 2-mile fitness run and an open 6-mile competitive run.

Several youngsters from BNL families were experiencing their first competitive effort in the ½-mile run. Juanita Heyliger (TID) and Gigi Greenhouse (DO) also were initiated into the BNL Roadrunners by running and completing the 2-mile fitness run.

The 6-mile run found the BNL Runners "walking away" with first place honors in the team competition. The Rocky Point Joggers were a distant second.

Individual awards went to Ted Landry (DAS), Elaine Landry and Gus Prince for first place in their respective categories.

A surprise winner was Carol Swendson, wife of Bob Swendson (Phys.) who captured a third place trophy in the 6-miler.

The following week, on July 17, Yvonne Draper (DAS), Gigi Greenhouse, Juanita Heyliger and Gus Prince all won medals in the Brookhaven Town Olympia held at Ward Melville High School.

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.

Each week, the Personnel Office lists new personnel placement requisitions. The purpose of these listings is, first, to provide open placement information on all nonscientific 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. 2874 or 2882.

LABORATORY RECRUITMENT: Opportunity for present Laboratory employees.

273. **TECHNICIAN** - AAS degree or equivalent in mechanical technology having broad experience and high level expertise in mechanical fabrication techniques to coordinate the fabrication and assembly of the reflector for the Solar Heliostat Project. Accelerator Department.

274. **STOCK CLERKS** - Four positions. Supply & Materiel Division.

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

275. **CORROSION ENGINEER** - BS degree or equivalent in chemical engineering with extensive background in high temperature, high pressure corrosion experimentation. Specific experience in nuclear reactor stress corrosion is highly desirable. Department of Applied Science.

276. **BIOLOGY ASSOCIATE** - BS/MS in biochemistry or its equivalent with background in tissue culture and biochemical techniques. Biology Department.

277. **TECHNICIAN** - AAS degree or equivalent in electronic technology with background in operation, maintenance and development of complex electronic, electromechanical and mechanical equipment. Vacuum system experience is desirable to work as Tandem Van de Graaff operator. Rotating shift. Physics Department.

278. **TECHNICIAN** - Tandem Van de Graaff operator. Part-time. Rotating shift. Physics Department.

Autos & Auto Supplies

70 HONDA - 450 Scrambler, 12,000 mi, must sell. Asking \$400. Doug, Ext. 2070.

76 HARLEY DAVIDSON - 125 cc, 250 mi, dual purpose, excel cond. \$600. 286-8758 after 5.

68 OLDS DELMONT 88 - 455 cu in eng, minor work, custom interior. \$250, or best offer. Don, 289-1873.

69 CHEVELLE - Good transportation. Asking \$400. Ext. 3441, 273-7667 after 6.

67 CADILLAC - Ps/pb/pw, am/fm 8 track, white w/black roof, good cond. \$700. Frank, 744-0819.

AUTO TRANSMISSION - C-4, b&m blt, 1000 mi, hole-shot converter & drive shaft, set up for Mustang. \$200. Chris, Ext. 4612.

75 SUZUKI 550 - \$950; 72 Honda, 450, \$800. Excel cond. Bob, Ext. 3313.

65 PONTIAC CATALINA - High mi, running cond. \$150. Gail, 878-4664 after 5.

USED RADIALS - HR70x14, like new, 2 snow & 2 regular, installed free. Ext. 4597. Fred, Ext. 4597 lunch only, 475-4935 eves.

71 VW SUPERBEETLE - Reblt eng, new brakes & radials. \$700. 734-7571.

76 PLY VOLARE - Wagon, must sell, 6 cyl std, overdrive, rust proof, low mi. \$3600. Ext. 3128, 928-7344.

71 CAPRI - 2000, 4 spd, am/fm, new radials, low mi. Kim, Ext. 2871, 475-6728.

71 VOLVO - 4 dr sedan, good cond, am/fm stereo, 4 spd, high mi. \$1090. 286-1454.

5 TIRES - Goodyear polyester cord, 2 ply, 6.95x14, 4 used 1700 mi, 1 new. \$100. Jan, Ext. 4210.

70 TORINO - Convertible, high mi. \$400. Charlie Nielson, Ext. 3942, 325-0968.

WHEELS W/TIRES - Crager wheels w/F60-14 tires, \$60/pr; VW to Chevy rim adaptors, \$10/pr, VW flared fenders, \$20/pr. Bob, 929-4270.

76 CAMARO - 6 cyl, automatic, ps, am/fm stereo, metallic blue w/white int, low mi, excel & immac. Must sell. 924-3756.

76 HONDA CIVIC - Hatchback, gold, 4 spd, 6000 mi, like new. \$2750. 475-6583 after 6.

64 OLDS - F85 w/1967 330 V8 eng, 35,000 mi, fm 8-track stereo, chrome slotted wheels, extras. 475-5688.

66 LINCOLN CONTINENTAL - 4 dr, full pwr, ac, good wsw radials & running cond. \$350. 821-0761.

69 DODGE MONACO - High mi, 2 new tires, new 5-yr battery, good mpg. \$600. 286-8517 after 5:30.

68 VW BEETLE - Stick shift, excel running cond. \$525. Annan, Ext. 3952.

68 PONTIAC LEMANS - Ps/pb, r&h, runs great, 60,000 mi, 1 dent on dr. \$650. Tony, 727-3351.

SUZUKI TM 125 - Dirt bike, excel mech cond, very fast, must sell, extra parts. 744-3339.

74 PINTO - 4 spd, disc brakes, radio, black vinyl top, red body, 2000 cc eng, 41,000 mi. Asking \$1400. Sanchez, Ext. 4489, 698-3145.

AM RADIO - For Chevy. \$15. 286-8921 after 5.

73 VEGA GT - 4 spd, radio, clean. Walt Lindsay, Ext. 3006.

65 PLYMOUTH BARRACUDA - Good running cond, auto trans, Sears Diehard batt, new brakes. \$220. 286-0295.

73 PLYMOUTH DUSTER - Ac/ps/pb, auto, am/fm, burgler system, radials, immac, yellow. \$1950. 727-1617/1329.

71 TOYOTA - White Celica, 4 spd, good cond. Asking \$1500. Ext. 2008, 928-5875 after 5.

69 PONTIAC LEMANS - 8 cyl, ps/pb, auto trans, new brakes, shocks, tires & muffler, good cond. \$475 firm. 325-0482.

68 BUICK - Convertible, many new parts, leaving country, must sell. \$500. Ext. 3550, 345-3079.

67 PLYMOUTH FURY - Station wagon, excel body, always lived in Calif, ps/pb, radio, roof rack. Ext. 3714.

AM RADIO - Dodge van to '74, good cond. \$20. John, Ext. 3292.

71 GREMLIN - Std shift, 6 cyl, 21 mpg. \$900. AN5-3731.

74 CHEVY VEGA - A/t, snow tires, am/fm 8-track stereo, 41,000 mi, dependable trans. \$1100. Cumming, Ext. 4343.

76 SUZUKI - 750 cc, krauser bags, padded sissy bar, windshield, highway foot pegs, 13,000 mi, mint cond. \$1600. Mitch, Ext. 3298.

70 FORD - V8 302 cu in, 76,500 mi, auto, ps, good cond. \$800. Ext. 3130/3998.

65 OLDS - F85, ps/pb, 4 dr, good motor, new exhaust & suspension. Make offer, Karen, Ext. 3623, 286-1944 after 8.

69 VW - Auto, am/fm, radials, 55,000 mi. \$1150. Len, Ext. 4484/473-3305.

Boats & Marine Supplies

20' FLYING DUTCHMAN - Racing sailboat, fully equipped, must sell, I'm moving. \$800. Doug, Ext. 2070.

60 HP OUTBOARD - Evinrude, 5 yrs, 16' MFG, fiberglass w/trailer. \$1300. Ext. 2632, 821-0850.

25' BROADWATHER - 1971, sleeps 4, head, hdtp, excel cond, many extras. Asking \$3800. Ext. 3499, 698-5701.

OUTBOARD - British Seagull, 40 + long shaft, 2½ hp, excel cond, low hrs. \$200. C. Nauman, Ext. 3412, 286-3764 eves.

14' FIBERGLASS SAILBOAT - Full flotation, very stable. \$600. Wells, 878-4214 eves.

15' LAPSTRAIK - Steering controls, canvas top, Hullgard trailer, 35 hp Johnson, excel cond. \$500. 727-4823.

21' CRUISER INC - 1971, 115 hp Johnson, camper top, ice box, head, depth finder, CB radio, sleeps 6, Coast Guard equipped, excel. \$4990. 281-4140.

BOAT FENDERS - 20" x 9", 20" x 10", both adj pressure, (1) 24" x 8", all good cond. Bill Espensen, Ext. 3992.

PROPELLER - PJ-19, 9" x 9" for Evinrude-Johnson outboard motors. \$4. Bill Espensen, Ext. 3992.

61 OWENS - 27' Lapstrake express cruiser, 1972 307 Chevy, galley, sleeps 4, pressure washer, fg cabin, roof & decks, excel cond. \$3200. Otto, 363-7324.

CLAM RAKES - 22 tooth, 2½ teeth, \$20; 22 tooth, 4 teeth, \$20. Ext. 2047.

4 TRAILER TIRES & WHEELS - 4 lugs, 4.80 x 8. \$50. Ext. 2047.

19' OLDTOWN - Wood lapstrake, needs work. Hayes, 475-7025 eves.

Miscellaneous

YARD SALE - Fri & Sat, Aug 5 & 6, old furniture, appliances, portable washer, clothes, more. 72 Tarpon Rd, Rocky Point.

GARAGE SALE - Sat & Sun, Aug 6 & 7 in Shoreham, Randall Rd (½ mi south of Rt 25A). Jack, 744-2821.

MOVING - Record player, blow drier, piano, radio, TV. Leaving country, may see items on site, Aug 5 & 6. Ext. 3550.

MOVING - Must sell, Heathkit stereo, needs work, \$25; photographic enlarger, drying table, \$10 each; sewing machine, \$35; other goodies. Ext. 2385 or 289-2382.

REFRIG - Westinghouse, like new, 25 cu ft, \$125; Maytag gas dryer, \$60; Westinghouse dehumidifier, \$75. Buyer to pick up. 744-1428.

PUPPIES - Yellow Labrador Retrievers, AKC champs & hunting stock, 5 wks old. 399-0531.

FREE - Norwegian Elkhound, 4 mos old, AKC. Ext. 3458, 369-2504.

CHEAP RIDE - To LaGuardia, \$3 to airport or 86th to 96th St in NYC, leave Lab 5 p.m., leave city 7 a.m. Jim, Ext. 2485.

73 ACE TRAILER - 18½ ft self contained, sleeps 6, 6 cu ft gas/elec refrig, step in shower, many extras, mint cond. Pete, Ext. 3297, 586-3579. \$2690.

PACE WALKIE-TALKIE - 3 channels, 3 watts, hardly used. \$45. Pete, Ext. 3297, 586-3579.

KAYAK - Inflatable w/2 sets of oars & foot pump, will hold 550 lbs. \$45. Pete, Ext. 3297, 586-3579.

AIR CONDITIONER - Philco, 5 yrs old, 8700 Btu, 11.4 amp, works good. \$100. Ext. 4532, 581-9199.

20' MOTOR HOME - Self cont, sleeps 5, shower, excel cond, 9000 mi. \$8500. 281-3992.

11½' CAMPER - Coachman, \$1800. Bob, 475-5413.

COLEMAN TENT - Deluxe oasis, 12x9, used 1 season. \$175. John, Ext. 3354.

COLEMAN CATALYTIC HEATER - 3000-5000 btu, \$15; coleman 2-burner stove, \$10. Howie, Ext. 2502.

WALKIE TALKIE - Pace 3-channels, 3 watts, hardly used. \$45. Pete, Ext. 3297, 586-3579.

CHAIN SAW - Sears 16" chain, good cond. \$125. Ray, Ext. 4479.

RIDING MOWER - W/snow plow, grass catcher. \$250. Parker lawn sweeper, \$10. 473-2734.

HUFFY - 8 hp riding mower, used 1 season, like new cond. \$200. Ext. 4701, 924-4323 eves.

GE COPPERTONE - Elec range, 220V, very good cond, \$100. 331-1203 after 5:30.

GE RANGE - 220V, white, elec, fair cond. \$25; Hot-point refrig w/inside freezer compartment, good working cond. \$30. 331-1203 after 5:30.

REFRIG - 18 cu ft, frost free, separate freezer dr, turquoise, 10 yrs old, Asking \$75. 473-4541.

AIR CONDITIONER - Whirlpool, 10,000 btu, 115V, 12 amps, used 2 seasons, \$150. 286-8119.

TYPEWRITER - Olympia manual portable, mathematical keyboard, 14 special symbols. \$45. H. Kasha, Ext. 3493.

WOOD BURNING STOVE - Kitchen range, all cast iron. W. Kane, Ext. 3841, 286-9450.

SEWING MACHINE - Sears Kenmore, excel cond, makes button holes, fancy stitches, attachments for custom touch, carry case. \$85. Ext. 3077.

GE WASHER - Model 950 12 lb cap w/repair, manual instruc, \$40; GE refrig, approx 7.5 cu ft. \$10. Frank, 727-5527.

ROCKING CHAIR - Portable stereo, console record player, xmas decorations. Mitch, Ext. 4360.

UMBRELLA - For picnic tbl, \$5; smoker barbecue, \$2. J. Guthy, Ext. 2902.

BUNK BEDS - Oak wagon wheel, w/mattresses, \$65; pool table, \$35. 744-3466.

STEP LADDER - 6' alum, \$10; 2 saw horses, \$7.50 ea or \$10 for both. 286-8420.

2 ANTIQUE TRUNKS - 29x40", \$45; 26x40", \$40. 286-9385.

MATTRESS - Box spring & frame, queen size, Sealy Posturpedic, headboard, excel cond. \$175. Nancy, Ext. 4619.

BRIC-A-BRAC - Decorative wrought iron, Bob Wieser, Ext. 3080.

BRICKS - Used, approx 3000, 5¢ each, 924-3328 after 4.

DRAPES - 5 pr olive green, 42x80" slightly faded, all dry cleaned. \$15. 281-2002, Ext. 3655.

INFANT ITEMS - Asst, reasonable, Daly, 363-2497.

BABY SEAT - Pak-poose, for back carrying, \$5. Ext. 3828, 751-7250.

SPINET PIANO - W/bench, mahogany, excel cond. \$450. Ext. 3554, 345-3079 after 5.

70 WHEEL CAMPER - Hdtp, gas/elec refrig, 3 burner stove, sink, dbl dinette, sleeps 8, extras, excel cond. \$1100. Ron, Ext. 4597, 924-8644.

QUARTED HORSE TRAILER - Hale 1972, for horses up to 15.1 hands, good cond. W. Kane, Ext. 3841, 286-9450.

BICYCLE - Girl's banana seat 24". \$30. Ext. 4881.

ANNALS OF AMERICA - 19 vols, like new, best offer. Ext. 4881.

BICYCLE - Boy's 26", good cond. \$15. Mike Tesla, Ext. 3284.

FREE - Kodak series V adapter ring 1½"-27mm; Y-2 K2 med yellow filter; leather case to hold filter & adapter. Ext. 4259/4267.

BICYCLE - Men's 10-spd, brand new, never used. \$80. 281-7844.

FISHING EQUIP - Garcia 5-star 10' med action rod, Mitchell 402 salt water reel. \$35, Ext. 4011.

SWIM FINS - Size 8½-10, mask & snorkel, \$10. Ext. 4011.

WATER SKIS - Thompson bananas, mahogany & ash. \$25. Ext. 4011.

11 GOLF CLUBS & BAG - \$9; 1975 Cox camper, cadet, \$850, excel. 727-1617.

GOLF CLUBS - Women's 2 woods, 3 irons, men's 2 woods, 5 irons, both sets, \$25, or \$15 each; approx 29' 1" ID copper water pipe, 1 piece. \$30. 475-6916.

GOLF BALLS - Used, reasonable, stock up while they last. Irene, 589-6468.

CAMERA - Brownie Hawkeye & flash. \$5. Ext. 4011.

PHOTOGRAPHIC PRINT DRYER - Thermostatically controlled, like new. \$10. 286-0295, Ext. 4240.

TV AMPLIFIER - Power mate, hook up to 4 sets, excel cond. \$20. 475-6938.

23" COLOR TV - 1972 Motorola, exterior like new, interior needs work. 475-6938.

25" COLOR TV - Heathkit GR-295 in kit, brand new, complete, tube type, all pc boards blt, orig price \$450, sell \$275. 475-2557.

ORGAN - Wurliitzer, #4520 theatre organ, excel cond, priv owned. \$1500. 732-3296 after 6.

ORGAN - Lowery, dbl keyboard, pedals, bench incl, excel cond. \$350. 727-7450 eves.

CONSOLE STEREO - Electroponic, am/fm, 8-track, excel cond. \$175, 727-7450 eves.

TAPE DECK - Pioneer 8-track, play/record, FF, pause, time counter VU meters, mint cond, \$120; speakers, walnut grain encl, 3 way, excel. \$50/pr. 475-4394 after 6.

MAGNAVOX STEREO PLAYER CONSOLE - Recorder, excel cond. 286-8420.

GUITAR - Sierra, 14 fret, excel cond. \$60. 744-6812 after 6.

GIBSON BASS AMP - 50 watt & Sekova Beatle bass guitar, like new, leaving must sell. \$150 for both or best offer. 588-3359 after 6.

STEREO - Am/fm, Garrard record changer, 2 speakers, hookup for guitar and tape. \$85. Ext. 4532, 581-9199.

CAR RADIO - Audiovox am pushbutton deluxe new radio, fits any GM model car. \$20. Ext. 4532, 581-9199.

FANS - 2 GE 20" 3 spd reversible, can be used for free standing or mount in window, expansion frame for windows, completely enclosed with chrome grills, new cond. \$20 ea. 289-6490.

FAN - EXL 12" portable, 2 spd, never used, \$12; EXL 10" high velocity fan, never used, \$8. 924-3066.

COFFEE MACHINE - 12 cup Norelco coffee maker, brand new, still in box. \$35. June, Ext. 3484, 732-0902 after 5 p.m.

AUTOMATIC COMBO - Grill-Waffler, 10" teflon grids, excel cond. \$15. Howie, Ext. 2502.

HOT WATER HEATER - Sears 40 gal, used 6 months, great for vacation home. \$30. John, Ext. 2269 or 281-2623 after 6 p.m.

LARGE OLD SAFE & OLD CASH REGISTER - Needs work. Sharon, Ext. 3312.

AMPEX MICRO 20 -Ac/dc cassette recorder in excel cond. \$35. Bob, Ext. 4551.

STEREO RECEIVER - Kenwood 2120, Garrard 40B turntable with Pickering cartridge. \$55. Jim Brennan, 744-4013.

STEREO - Roberts 990 4 track tape recorder w/tapes, mikes & extras. \$135. Bob, Ext. 4551.

TOYS - Fischer-Price airport, \$3; village, \$4; castle \$5; camper, \$1; boat, \$1; hockey game, \$3. Pete, 586-3579.

SONY - TC355 open reel tape recorder plus Sony TC8 cartridge recorder needing some work. All for \$20. 286-9260 after 6 p.m.

COLOR TV KIT - Heathkit 25" model R-295, tube type, pc boards completed, sells for \$450, only \$260 less cabinet. 475-2557.

RECORDERS - Soprano to bass, fine woods, attractive prices. Alon, Ext. 4876.

BICYCLE - 16" boy's trail bike, w/training wheels, semi-pneumatic tires, like new. \$15. Lisa, Ext. 3193.

BICYCLE - Men's 10 spd Schwinn "Varsity," good cond. \$65. 286-3679.

BICYCLE - Raleigh sports model, 3 spd, like new, less than 1 yr old. \$85. Robert, 286-2265.

BICYCLE - 3 spd Raleigh "Colt," 19" frame, coaster & hand brake, good cond. \$45. 286-3679.

GOLF BALLS - Used, very good cond, reasonable. Irene, 589-6468 after 5 p.m.

TRAVELALL - 68 International, 4 wheel dr, snow plow, mint cond, 3 sets of tires, am/fm stereo. \$2000. 286-8758 after 5 p.m.

TENT CAMPER - Cox, front leveler, spare tire, foam mattresses, excel cond. \$675. 289-0399.

1974 AVANGER - Travel trailer, 18' self cont, sleeps 4, lg bathroom w/shower, refrig. \$3200. Ron, 475-3632.

1975 COX - Cadet camper, sleeps 4, excel. \$850. 727-1617.

1973 NIMROD TENT CAMPER - Vinyl covered hard-top, sink, stove, heater, icebox, sleeps 6 without disturbing dinette, excel cond. \$1200. 286-9619.

INFANT ITEMS - Assorted, reasonable. Daly, 363-2497.

COACH CARRIAGE - Good cond. \$20. Larry Arnold, Ext. 2024, 281-2136.

AIR COND - 10,500 Btu, Westinghouse, very good cond. \$80. Ext. 4449 or 751-8403 after 6 p.m.

SOFA - 7' Colonial, 4 yrs old, perfect cond. \$175. John, Ext. 2501, 751-6390.

COLOR TV - 25" Sears console, remote control, new picture tube, mint cond. \$425. Doug, Ext. 4612.

SOFA - 50" long with wing back & arms, wood & vinyl, \$15; spring box for double bed, make offer. 286-1688.

TOYS - Doll bunk beds, \$3; doll high chair, \$2; double easel/chalk board, \$8. Pete, 586-3579.

MASON JARS - Dozen, \$2; safety gate, \$2; book-case bed frame, \$10; camera tri-pod, \$10. Pete, 586-3579.

BABY ITEMS - Detecto scale, \$4; Pride-A-Matic swing, \$9; car bed, \$3; No Legs walker, \$4. Pete, 586-3579.

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

SHIRLEY - 3 bedrm ranch, oversized garage, 75 x 100 cyclone fenced yard, OHW, all appl. \$31,000. Pat, Ext. 2877.

MASTIC BEACH - 3 bedrm ranch, 1½ baths, 100 x 100 corner lot, immac. \$31,000. 281-7531.

MEDFORD PINES - Mother/daughter, priv entr, 7 appl, 2 baths, 4 bedrm. \$37,500. David, YA 4-7516.

SHIRLEY - 3 bedrm, finished bsmt, storm windows, fenced, near water, 50 x 300 lot. 281-5328.

E MORICHES - Colonial cape, 6 bedrm, 3 baths, fp, full bsmt, ¾ acre. \$69,000. Ext. 3950, 878-1540.

PATCHOGUE VILLAGE - 3 bedrm ranch, exp attic, fin bsmt, appl. \$34,000. Ext. 2951, 475-7694.

SHOREHAM N - 4 bedrm lg colonial, 2½ baths, den w/fp. \$55,000. 744-3660.

MASSAPEQUA - 100 x 100 waterfront lot, all util in st, garage, driveway, cesspool, etc. 727-7769.

MEDFORD - 1 bedrm, w/w carp, appl, ac rec facilities. \$29,500. 732-5252, 286-0838 eves.

CLEARWATER BEACH - 100 x 150 bldg lot, E Hampton, priv beach, marina rights. \$13,000. Ext. 3469, 281-4371.

10 RM COLONIAL - Landscaped w/rock garden, gazebo, 1¼ acre, 4 bedrm, appl, full bsmt, 2 garages, low 60's. 475-0168.

MASTIC BEACH - 7 rm low ranch, 156 x 100 corner land, screened patio, bsmt, appl, pool table. 281-4794.

WADING RIVER - Reduced \$10,000, beautiful 3-4 bedrm, 2 baths, fp, treed ¾ acre. Ext. 2030, 929-8313.

CUSTOM RANCH - 2-car garage, w/w, 2 baths, all appl, 3 bedrm, fp, walk to beach, extras. McGilly, Ext. 3284.

4 BEDRM SPLANCH - 9 mi to Lab, 2-car garage, furn or unfurn, many extras, top cond, must sell. \$45,000 reduced to \$36,900. 732-2720.

STONY BROOK - 3 bedrm colonial, w/w, 2-car, s/s, 5 appl, much more, must see to love. Ext. 4663, 751-5479.

S SHIRLEY - Waterview, priv area, 4 bedrm ranch, fp, 2 baths, porch, ½ bsmt, s/s w/w carp, city water, priv beach, prof landscaped. 281-4140.

For Rent

VT CHALET - Furn, fp, recreation on land, near summer theater, music, antiques. 757-5599.

BELLPORT VILLAGE - Roomy 1 bedrm apt, priv entr, 2 singles or couple. \$225 incl util. 286-8850.

S BAYPORT - 3 bedrm, 30 min to Lab, fp, country kitchen 2-car garage, 10 mos, avail 8/26. 472-0385.

SUBLET - Luxury garden apt, 1 bedrm, unfurn. \$276/mo. 10/1 - 2/28/77. Coram, Ext. 3403, 698-2656 after 5.

POCONO VACATION - Chalet near lake Wallenpau-pack, tennis, fish, etc. \$175/wk, & \$70/wkend. Fran, 289-2159.

MT SINAI - Sm 2 rm apt in barn on estate overlooking harbor, furn, all util, pref single person. \$275/mo. 473-3777.

BSMT APT - Lg 3-rm, furn, ac, on beach. \$250/mo incl util. 929-8443.

SHOREHAM VILLAGE - 3-4 bedrm furn, all appl, fp, wooded ¾ acre, avail 9/1. \$400/mo. 744-3225, 744-3350 eves.

PATCHOGUE - 3 bedrm apt, all util, priv home. \$315. 289-9192.

SHOREHAM - 3-4 bedrm cape, 2-car garage, fin bsmt. \$250/mo + util. 928-8251.

WADING RIVER - Sm hse, 3 bedrm, furn, wooded yard, Oct-June. \$250/mo. 929-6324.

5 BEDRM CHALET - Fp, sauna, Straton, Vt, near lake, canoeing, hunting, skiing. \$235/mo; winter xmas time \$400/wk. 744-9190.

Wanted

FILING CABINET - 2 drawer, good cond. 286-0295, Ext. 4240.

AMC GREMLIN - 72 & up, 6 cyl, 232 hp, for parts only, must have good automatic trans. John, Ext. 3292.

HOME - For 3 yr old Irish setter, good w/children, well house trained, good watchdog. Blair, Ext. 4082.

40 CHANNEL CB - Good cond, CB antenna, Ron, 473-5939 after 7.

FREE CHILDREN'S BOOKS - To establish library in Vt. 732-6499 after 6.

2 BEDRM HSE OR APT - South shore. Kim, Ext. 2871. 475-6728 or Pat, Ext. 3168.