BROOKHAVEN BULLETIN
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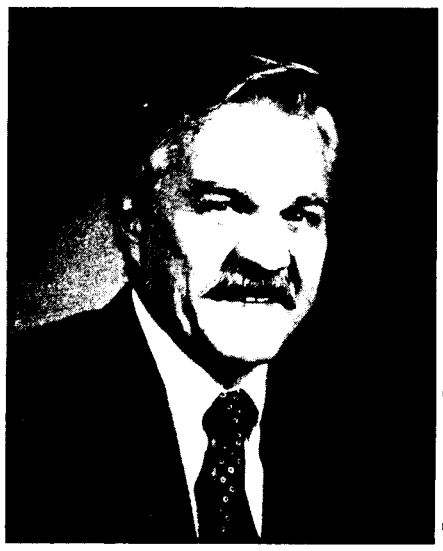
BROOKHAVEN NATIONAL LABORATORY

# Trueman Named Associate Director Of High Energy & Nuclear Physics

T. Laurence Trueman will assume the duties of Associate Director of High Energy and Nuclear Physics at BNL, starting September 1.

In announcing Trueman's appointment, Laboratory Director Nicholas Samios noted, "Larry has had a distinguished career as a theoretical physicist, and, fortunately for BNL, has displayed an affinity for management."



Roger Stoutenburgh

**Laurence Trueman**

Trueman replaces Robert Adair, who, Samios said, ". . . has been a great spokesman for the Laboratory program, and has guided and molded a vibrant AGS program. It has been a personal pleasure working with him during this time, and I wish him well as he returns to being a Yale professor and a confidant to high management levels in America's favorite pastime . . . baseball." Adair was named physicist to the National League in 1987.

In his new capacity, Trueman will be responsible for both the Physics and Alternating Gradient Synchrotron (AGS) Departments and the Instrumentation Division.

"All these groups are run by people who are first-class," said Trueman, referring to Physics Department Chairman Peter Bond, AGS Department Chairman Derek Lowenstein and Instrumentation Division Head Velko Radeka. "They will be very helpful as I learn my new responsibilities since, as a theoretical physicist, I was not very familiar with some of the areas, particularly in AGS and Instrumentation."

Trueman is quite familiar with the Physics Department, having been a part of it since he obtained his Ph.D. in physics from the University of Chicago in 1962. He started at BNL as a research associate, moving through the ranks of Assistant Physicist (1964), Associate Physicist (1967) and Physicist (1969). In 1972, he was awarded a Guggenheim Fellowship, and spent a year at Oxford University continuing his research in strong interaction theory.

After returning to BNL's Physics Department, Trueman was named Senior Physicist and head of the High Energy Theory Group, both in 1974. He left again in 1978 to spend nine months at the Centre de Physique Théorique (Center for Theoretical Physics) at the University of Marseilles, France, to investigate invariance principles with regard to specific production processes and to pursue research in quantum chromodynamics (QCD). When he returned to BNL, he resumed leadership of the Theory Group.

In 1981, Trueman left his theoretical research for the first time, to become Deputy Department Chairman of Physics, a position he held until 1986, when he returned to research as a Senior Physicist.

To get back into research after his five-year hiatus in management, Trueman took another leave for professional advancement at Marseilles. After spending the summer of 1987 at CERN, the European Laboratory for Particle Physics, he returned to BNL.

Most of his research during the past two years has been in a relatively new area for Trueman — finite temperature QCD, "a subject that is very interesting in view of the experiments that will be done at RHIC," he said.

RHIC is BNL's proposed Relativistic Heavy Ion Collider, which Trueman sees as "the number one priority for the Lab's long-term future. It will bring to the U.S. a facility not available anywhere else and open up a brand-new area of research with many exciting possiblities. The new heavy ion program at the AGS is an important first step toward this goal.

"We are at a time when we have a wide range of options in front of us," he continued, "and we must be in a position to make the best of what's available."

For example, Trueman pointed out, "Some of the most fundamental issues in particle physics are being studied at the AGS, rather than larger machines elsewhere, because of the special capablities there. Right now, rare K decay physics is getting the most attention, but we have to ask, 'What comes next?'

"We have a whole range of programs that are very special — neutrino physics, polarized protons, heavy ions, hadron spectroscopy, hypernuclear physics," he continued, "and we must encourage new ideas for experiments that can be done here. This week, we're holding two workshops — one on rare K decays, the other on hadron spectroscopy — to do just that. This is a good time look at these questions, with the AGS upgrades under way. The Booster will soon be completed, increasing the AGS intensity by a factor of four. After that, we plan to propose the construction of a stretcher, which will greatly enhance the flexibility and power of the AGS."

New ideas are also being considered for RHIC. Though it would be first and

(Continued on page 2)

# DAS Group Offers Metallurgical Services

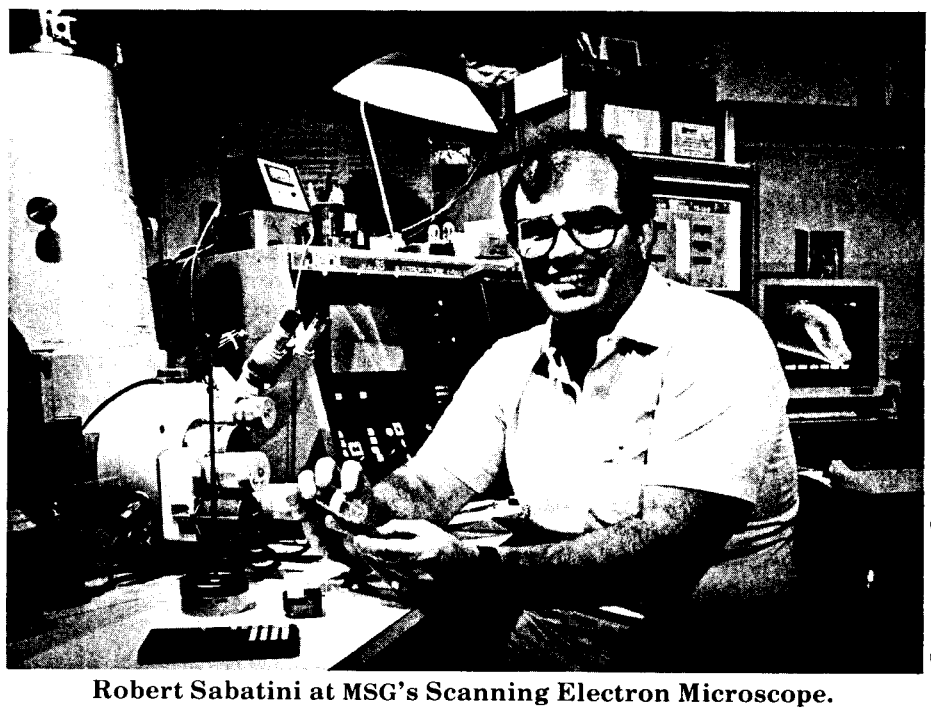
Whether it's ceramic, metallic or polymeric, a group in the Department of Applied Science (DAS) will prepare and analyze any sample for the BNL community.

Staffers of the Metallurgical Services Group (MSG) in DAS's Materials Sciences Division are available for consultation on materials problems; preparation of experimental samples, including shaping, surface finishing and polishing; and quality assurance and failure testing.

BNL scientists working on superconductivity, as well as researchers at the National Synchrotron Light Source and within the Accelerator Development Department's Magnet Division, are MSG's biggest customers.

"We can cook up any recipe, more or less," said Robert Sabatini, referring to the high temperature superconducting materials synthesized by MSG. Sabatini runs the group's electron microscopy and spectroscopy facilities in Building 480.

Some of the more unusual requests, said Andrew Cendrowski, MSG, have included polishing a piece of a Soviet satellite and human teeth for the Biology Department. Cendrowski normally cuts and polishes metals to prepare them for analysis.



Roger Stoutenburgh

**Robert Sabatini at MSG's Scanning Electron Microscope.**

As a sideline, the MSG staff can identify many inadequately labeled chemical solids. Some unknowns have literally been hidden under the floorboards for years.

A mysterious collection of samples, identified only as "NASA Alloys A through H," were found beneath the floor of the MSG building. The staff determined the samples were nickel-based alloys — a safe and easy material to dispose of.

"It's a mundane but valuable service," said James Hurst, the group's supervisor, "because one may not dispose of an unknown material. It must be characterized."

Donald Horne mercilessly stretches and squeezes materials for quality assurance and failure testing. "We can squash almost anything," said Horne, pointing to a compression tester that exerts 600,000 pounds of force — a larger version of the compressor used to crack the balsa bridges entered each year in BNL's model bridge contest.

Another implement of mechanical torture — a Universal Impact Machine — can deliver a hammer blow of 240 foot-pounds of force to a sample. In laymen's terms, "It gives them one heck of a whack," said Horne.

Testing of the superstrong polymer concrete, developed at BNL in the 1960's by Jack Fontana and his colleagues, was performed by MSG. By sustaining forces of 500,000 pounds —about 17,700 pounds per square inch — the polymer concrete tested the limits of the compression machine, recalled Horne.

Visiting scientists and Laboratory staff can obtain a brochure detailing MSG's services and the types of testing available by contacting the MSG office, Ext. 3508.

— Alexandra Biesada

Roger Stoutenburgh

**Donald Horne prepares to test a bolt at one of MSG's tensile testers, as part of the Lab's Quality Assurance Program.**

## Coming Up

"Portraits of Chaos" describes the next exhibit to be presented by the BERA Art Committee, featuring original drawings and computer plots from the early days of chaos research by Japanese scientist Yoshisuke Ueda. Ueda, who is on the Faculty of Engineering at Japan's Kyoto University, will be at the exhibit to answer questions about his work.

The exhibit will open on Tuesday, September 6, from 4:30 to 7 p.m., in Room C, Berkner Hall. Also at 4:30, in Room B, Bruce Stewart of the Applied Mathematics Department will give an introductory talk on "Portraits of Chaos: How to Read Them."

The exhibit will continue on Wednesday and Thursday, September 7 and 8, from 11:30 a.m. to 1:30 p.m.

•

"Scientific Investigation of the Shroud of Turin" is the title of an afternoon colloquium to be given by Robert Villarreal, Manager of the Analytical Laboratory at Argonne National Laboratory, West, in Idaho Falls, Idaho. Sponsored by the AUI Lecture Committee, the talk will take place on Thursday, September 8, at 3:30 p.m., in Berkner Hall, while Villarreal is at BNL for a meeting of Department of Energy's Analytical Managers, being held September 6-9. All are invited to attend the lecture. A reception will follow.

# Big Alice Retires

Roger Stoutenburgh

She was inducted into the Army in 1942 to rescue personnel carriers stuck on muddy Camp Upton roads. In 1947, she became a civilian along with the rest of the property when Camp Upton became Brookhaven National Laboratory.

This July 22, the red Diamond T model 969 wrecker — named after one of the first secretaries in the Motor Pool and affectionately known as Big Alice — was retired by the Staff Services Division.

Weighing in at 19,840 pounds, Alice was big — and had two booms, six-wheel drive and ten wheels total to back her up. But the years and the tonnage took its toll — suffering from metal fatigue, Alice has been consigned to salvage.

Now parked for viewing behind T-87 and up for anyone's bid, Alice had a book value of $3,000 in her heyday, June 1949. As new wreckers these days cost a little under $100,000, it is now cheaper to call in an outside wrecker than to purchase and maintain a new one for the occasional times it is needed.

Hence, Alice will not be replaced, but she'll be missed by her mechanic friends in the Motor Pool: (from left) Richard Reeve, Dennis Fuzie, Roland Baillargeon, Albert Mack, James Vogel and Robert Caulfield. Absent from the picture are Wilbur Bailey and John Doscinski.

## Trueman (cont'd)

foremost a heavy ion collider, its higher energies might also prove useful for studying polarized protons or the B particles it could produce in enormous numbers.

"Another question," Trueman said, "is where do we go with very high energy physics? A BNL group is already participating in the D-Zero experiment at Fermilab, and it's very likely, if the Superconducting Super Collider gets approved, that a group will want to participate in an experiment there."

As he paves the way for others to do research, Trueman will have little time for his own. Will he miss it? "It's a very satisfying life to spend your time doing research, and I think any scientist regrets having to stop doing research to take on management responsiblities," he said. "At the same time, if you spend your life working in an institution and you are asked to take on a responsibility, there's no question that you do it. I am flattered to be entrusted with this job, which I think is very important at this time."

## Course Offerings

Four BNL'ers are teaching evening courses this fall at the State University of New York at Stony Brook, through the School of Continuing Education (CED). At the graduate level, these courses are designed for part-time adult students. For more information on the courses or registration, call CED at 632-7050 before August 30.

• Nuclear Engineer and lawyer **Jerry Cadwell**, Department of Nuclear Energy, will explore the relationship between "Law and Technology," in a three-credit course on Wednesdays, 6-9 p.m., beginning September 14, located at the Shoreham-Wading River High School.

Cadwell will lead discussions on such topics as living wills, the right to die, creationism and the legal controversy surrounding the nuclear power industry.

• Project Engineer **Doan Hansen**, Safety & Environmental Protection Division, will explain the "Principles of Occupational Health," in a two-credit course on Tuesdays, 6-8 p.m., starting September 6.

After going over occupational health regulations for engineers, managers and others who deal with occupational health issues on the job, Hansen will discuss specific topics such as radon, asbestos and Suffolk County's VDT law.

• Guest Physicist **Michael Marx**, Physics Department, will reveal "The Mystery of Matter: An Anecdotal Look at Particle Physics, from Quarks to Atom Smashers," in a three-credit course on Mondays, 7-10 p.m., beginning September 19.

For the non-scientist, Marx will outline important physics experiments and their fundamental results, the scientists involved and the tools of their trade. As well, he will discuss the need for the proposed national Superconducting Super Collider.

• Senior Physicist **Mark Sakitt**, Physics Department, will examine "Technology and Policy: National Security," in a three-credit course on Thursdays, 6-9 p.m., starting September 1.

To enable educated laypeople to understand defense policy, Sakitt will review the past and current policy debates from different perspectives, the technology of weapons systems and the connection between strategic planning and politics.

*On Site*

# Road Repairs Start Monday

In repairing a road, when is ¾-inch sealer better than 2-inch repaving? When the ¾-inch is the Brookhaven Town armor coat — which is not only more durable and less than half the cost of two inches of regular paving, but also does not raise the road as high to the curb.

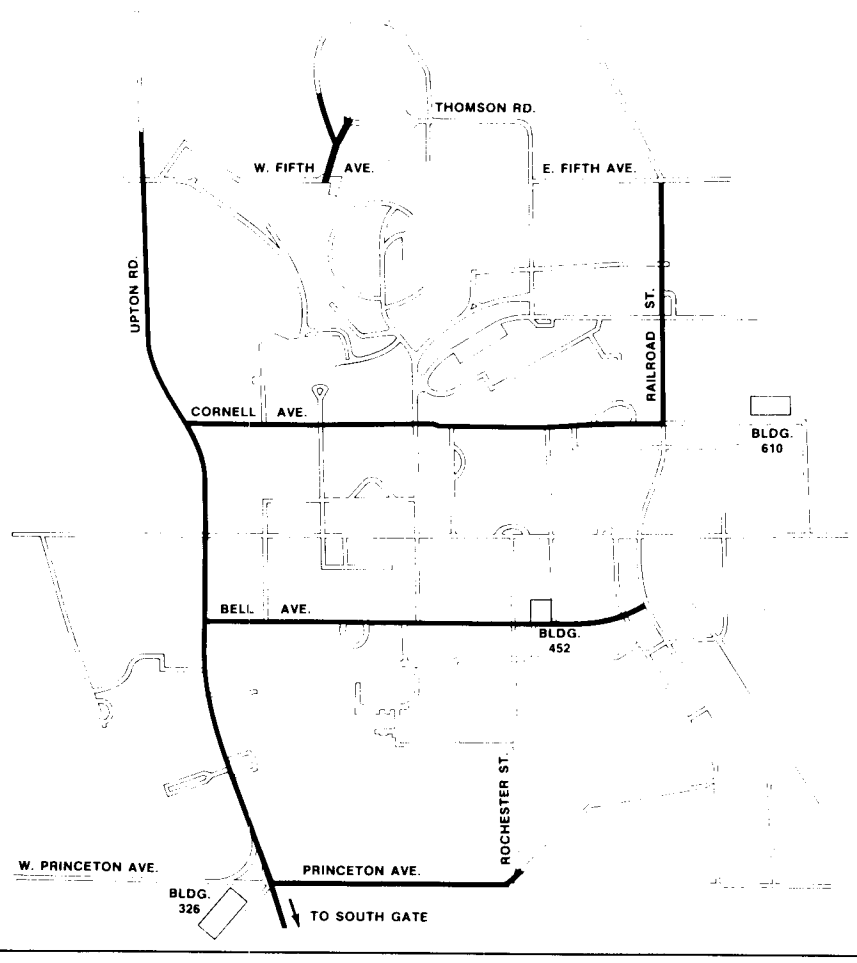
Using the Brookhaven Town armor coat, twelve sections of roads and parking lots on site are to be repaired, starting Monday, August 29, and continuing into September. This work represents one quarter of the repairs that need to be done to BNL roads and has been scheduled for over a year.

The following roads and parking lots are to be sealed: Bell Avenue — Upton to Railroad; Princeton Avenue — Upton to Rochester; Upton Road — West Princeton to West Fifth; Upton Road — West Princeton to South Gate; Cornell Avenue — Upton to Railroad; Railroad Avenue — Cornell to East Fifth; Thomson Road — in front of Bldg. 919; and several parking lots.

The repairs are needed because of major cracks, breaks and potholes in the pavement. This damage is caused each winter when the water that seeps into the pavement freezes and expands. As patching the pavement only fixes the problem temporarily, BNL's broken roads need to be sealed or repaved every five to seven years.

A mixture of asphalt and coarse gravel, regular paving has pores through which precipitation can seep and later cause damage. A suspension of fine gravel in asphalt, the Brookhaven Town armor coat is less porous and hence better resists weathering — as proven on Brookhaven Town roads.

Signs will be posted to notify drivers of the work in progress, and, wherever possible, half a roadway at a time will be sealed to minimize the inconvenience.



# Scoop of the Week

For his tip on Big Alice's retirement, William Webster, Staff Services, wins a scoop in week eight of the Scoop of the Week contest.

Before summer is gone, trade your hot tips for cool scoops of frozen yogurt. To enter the Scoop of the Week contest, send your news and feature ideas to the Bulletin, Bldg. 134, or call Ext. 5053. If you scoop the Bulletin's informed sources and a story based on your idea is published, you'll be awarded an official certificate for soft-serve yogurt, suitable for framing or redeemable anytime at the Cafeteria.

## BERA Sales Office To Move Temporarily

Beginning Monday, August 29, the BERA Sales Office will be temporarily relocated to Room D, Berkner Hall, while its permanent headquarters undergoes renovations. Work is expected to be completed by the end of September. BERA thanks everyone in advance for their patience during this inconvenience.

## New Season At Swimming Pool

Summer season tickets are valid through the extended date of Friday, September 2. *For one week only*, August 29 through September 2, the pool will be open as follows:

| | |
|---|---|
| 11 a.m.-1:30 p.m. | Employees only. |
| 1:30 p.m.-2 p.m. | Reserved for speed swimming and training. |
| 2 p.m. to 9 p.m. | Employees, families & guests*. |

The pool will be closed Labor Day weekend, Saturday, Sunday and Monday, September 3-5.

**New Season**

Tickets for a new four-month season will be sold at the pool starting Tuesday, September 6.

**Fees**

| | |
|---|---|
| **Season Tickets** (fees not prorated) | |
| Individual membership | $30.00 |
| Family membership** | $40.00 |
| **Daily Admissions** | |
| Employee | $1.50 |
| Family member** | $1.50 |
| Guest* | $2.00 |

**Defined as family members living in the employee's household.

**Schedule**

**Monday through Friday**

| | |
|---|---|
| 11 a.m.-1:30 p.m. | Employees only. |
| 1:30 p.m.-2 p.m. | Reserved for speed swimming and training. |
| 5 p.m. to 9 p.m. | Employees, families & guests*. |

**Saturday and Sunday**

| | |
|---|---|
| 1 p.m.-5:30 p.m. | Employees, families & guests*. |

***Guest ruling**

One guest per employee is permitted without prior arrangement. For more guests, up to a maximum of five at any one time, advance arrangements must be made at the Recreation Office in Personnel. *This rules pertains to the use of all recreation facilities.*

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Vladimir Chaloupka

# A Synthesis of Music and Science

Musicians who like science and scientists who appreciate music will enjoy a free lecture and demonstration to be given by Vladimir Chaloupka on Tuesday, August 30, at 8:30 p.m., in Berkner Hall. As a basis for his lecture, Chaloupka, an associate professor of physics at the University of Washington, will use Douglas Hofstadter's Pulitzer Prize-winning book, *Gödel, Escher, Bach.*

Chaloupka will present Gödel's theorem and its many implications; analyze examples of J.S. Bach's canons and fugues, and play some on the piano; and show and discuss drawings by Escher. Flutist Myron Ledbetter, a cell biologist at BNL, will join Chaloupka in the performance of a particularly interesting fugue.

The lecture is a follow-up to a very successful show presented by Chaloupka at BNL in 1985, and it is designed to be enjoyed both by people who attended the original lecture and those who did not.

Besides his professional field of interest, experimental elementary particle physics, Chaloupka admits to a fascination with music, particularly the study of interconnections between the physical properties of sound, and its perception and analysis by the brain. In his free time, Chaloupka plays and analyzes keyboard works of Bach on the piano, harpsichord, organ and Commodore 64.

Sponsored by the BERA Concert Committee, Chaloupka's presentation will be made on the occasion of "GLUE 88," a high energy physics conference involving 120 physicists from all over the world, which is being held at BNL August 29 through September 1.

## Camera Club

The Camera Club is establishing a permanent photography exhibit in Berkner Hall — a rotating exhibit in which the photographs will be changed approximately every four to six weeks. Contributors may be Camera Club members, as well as non-members who have photos that meet the exhibit's display criteria.

For more information and a copy of the exhibit display rules, contact Lew Jacobson, Bldg. 134C, Ext. 5193; or Ripp Bowman, Bldg. 911B, Ext. 4672.

## Bus Trip To U.S. Open

Those taking the bus trip to the U.S. Open at the National Tennis Center on Tuesday, September 6, are reminded that the bus will leave from the Lab tennis court parking lot at 8:30 a.m. and from the Park & Ride at Exit 63 on the Long Island Expressway at 8:50 a.m. Please be on time.

The bus will leave from the National Tennis Center for the return trip to the Lab at 7 p.m.

## Tickets Going on Sale For Metropolitan Opera

On Wednesday, September 7, family circle tickets for certain performances of the 1988-89 Metropolitan Opera season will go on sale at the BERA Sales Office in Berkner Hall. Office hours are from 9 a.m. to 2 p.m. Employees may purchase as many *pairs* of tickets as they wish. All sales will be final; no refunds or exchanges.

The complete list of BERA subscription tickets and dates available will be printed in next week's Bulletin, and are now available for your perusal at the BERA Sales Office.

## Arrivals & Departures

**Arrivals**

**Matthew T.J. Surico** ..... S&EP

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

**Departures**

**Donna M. Cyr** ..... Biology
**Gloria A. Jackson** ..... Medical
**Wilhelmina M. Mytko** ..... Biology
**Rodney R. Porter** ..... DNE
**Richard H. Vogel** ..... S&EP

## Team Safety

Week six of the Team Safety program* was bad news for the home teams. As of the date of this report, three additional teams have suffered losses.

The Light Shop team had an eye injury, which resulted in lost time and sent them back to the dugout with a new goal of November 8. The Electric Shop team had a pair of strikeouts, with a shoulder injury and a lost-time poison ivy case. Their new date is November 10. The Carpenter Shop team was done in by a cut that sent them to the showers until October 28. Let's go teams! We don't want the pizza to get cold!

On the field, the good news is that 20 teams are still undefeated, and three teams are only three weeks away from the chow hall. The S&MD teams are all in perfect shape.

The current rumor is that the field-lighting experts are going to have to go back to the drawing boards for the red-light effect. Somebody goofed. Also, for those interested, Jimmy lost his bet.

Keep your minds on the game and play safely!

**Twenty-five teams are participating the Lab's Team Safety program. As five teams have incurred lost-time injuries, 20 are now in the running to be the first to be rewarded for their safe practices with a pizza or deli luncheon. The time goals, which have been established for the teams based on their previous lost-time frequency, range from eight to twelve weeks.*

# Equipment Demo

Computer Associates International, Inc., will present new graphics and decision support tools on Tuesday, August 30, from 8:30 a.m. to 3:30 p.m., in the Applied Mathematics Department Seminar Room in Bldg. 515. Computer Associates is best known at BNL for its Dissipla Graphics.

For more information or to confirm your attendance, call Paul Kessler, Ext. 4156; Carole Saurino, Ext. 4151; or Carla Phifer, (703) 821-1700, Ext. 375 or 475.

## Football

The BNL Touch Football league Committee announces that play will begin in September and extend to the end of October. Games will be played at the BERA Recreation Park on Monday and Thursdays, at 5:20 p.m.

All teams interested may pick up entry blanks and game rules at the BERA Sales Office any weekday between 9 a.m. and 2 p.m. New teams are welcome. A players' pool will accommodate those who would like to play, but who are not included on an organized team's roster. Since no blocking and limited body contact are part of game rules, players of all ages can take part with little fear of being injured.

For further information, contact John Blydenburgh, League Chairman, on Ext. 2310.

## Service Awards

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

**Forty Years**

**David E. Alburger** ..... Physics

**Thirty-Five Years**

**Richard W. Emanovsky** ..... AGS
**Helen Z. Kondratuk** ..... Biology
**Leigh F. Phillips** ..... S&EP

**Thirty Years**

**Lawrence M. Cook** ..... Medical
**H. George Latham** ..... Biology
**Chester A. Smith** ..... AGS
**Paul R. Tichler** ..... Reactor

**Twenty-Five Years**

**Howard W. Bell** ..... Supply & Mat'l
**Ezekle O. Bell Jr.** ..... Cent. Shops
**Alfred W. Berretta** ..... Sfgrds. & Sec.
**Chellis Chasman** ..... Physics
**Anne M. Flood** ..... Accel. Dev.
**William E. Harrison Jr.** ..... Accel. Dev.
**Frederick Ligon** ..... Plant Eng.
**George E. Meinken** ..... Medical
**George Parzen** ..... Accel. Dev.
**Lawrence Passell** ..... Physics
**James N. Petro** ..... Reactor
**Allan K. Roger** ..... Plant Eng.

**Twenty Years**

**David J. Diamond** ..... Nuc. Energy
**Joseph P. Kenneally** ..... Con. & Proc.
**William H. Kropp** ..... Nuc. Energy
**Jacqueline Larrie** ..... Medical
**Otto W. Lazareth Jr.** ..... Nuc. Energy
**Robert L. Rowley** ..... Cent. Shops
**Grace N. Vestal** ..... Applied Math

**Ten Years**

**Gerhard G. Barnett** ..... Plant Eng.
**William M. Bone** ..... Cent. Shops
**Thomas A. Butcher** ..... App. Science
**Iaan O. Fabien** ..... Light Source
**Youssef Farah** ..... Accel. Dev.
**John Flannigan** ..... Light Source
**June A. Herbert** ..... AGS
**Sherry J. Ince-Barletta** ..... Nuc. Energy
**Peter F. Ingrassia** ..... AGS
**Anthony J. Kalisak** ..... Applied Math
**Bernard Keisch** ..... Nuc. Energy
**Paul A. Kessler** ..... Applied Math
**James A. Kierstead** ..... App. Science
**Patricia A. Knisely** ..... Personnel
**Rosalie Lawrence** ..... Fiscal
**Deborah M. Maresca** ..... Budget Office
**Philip C. Pape Jr.** ..... AGS
**Glenda G. Radich** ..... Staff Services
**Gerhard M. Redelberger** ..... Cent. Shops
**Arnold W. Sandberg** ..... Accel. Dev.
**William F. Sandhoff** ..... Accel. Dev.
**Richard A. Satter** ..... Plant Eng.
**Philip F. Stattel** ..... Accel. Dev.
**John S. Sullivan** ..... AGS
**Jack R. Tallent Jr.** ..... Light Source
**Kuo-Chen Wu** ..... Accel. Dev.

*Service Awards for August will be published next week.*

# AACC Invites All To Annual Picnic

The Afro-American Culture Club (AACC) invites all employees and their families to join AACC members at their eighth annual picnic. For a donation of $5 for each person over 12 and $2 for each child 12 and under, fun, games and prizes, food and drink will be provided, along with the music of deejay "Big Mike."

The picnic will begin at noon on Saturday, August 27, at the BERA Recreation Park, and the fun will continue until 6 p.m. Tickets will be available at the gate. The rain date is Sunday, August 28.

For more information, contact April Donegain, Ext. 2459; Frances Ligon, Ext. 3709; Bruce Penn, Ext. 7213; Bill Sells, Ext. 3277; or Barbara Simpson, Ext. 3217.

# Cafeteria Menu

## Week of August 29

**Monday, August 29**

| | | |
|---|---|---|
| Beef noodle soup | (cup) | .75 |
| | (bowl) | .95 |
| Chicken pot pie w/1 veg. | | 3.05 |
| Beef burgundy w/noodles | | 3.10 |
| Hot deli: Breast of turkey | (bread or roll) | 2.85 |
| | (hero) | 2.95 |

**Tuesday, August 30**

| | | |
|---|---|---|
| Mock turtle soup | (cup) | .75 |
| | (bowl) | .95 |
| Braised shortribs of beef w/1 veg. | | 3.10 |
| Pork Polynesian over rice | | 3.10 |
| Veal roulade cordon bleu w/1 veg. | | 3.10 |
| Hot deli: Chicken patty | (bread or roll) | 2.85 |
| | (hero) | 2.95 |

**Wednesday, August 31**

| | | |
|---|---|---|
| Minestrone | (cup) | .75 |
| | (bowl) | .95 |
| Italian lasagna w/garlic bread | | 2.95 |
| Fresh fish Buena Vista w/1 veg. | | 2.95 |
| Hot deli: Grilled ham and cheese | | 2.95 |

**Thursday, September 1**

| | | |
|---|---|---|
| Navy bean soup | (cup) | .75 |
| | (bowl) | .95 |
| Roast loin of pork w/1 veg. | | 3.10 |
| Beef stroganoff w/noodles | | 3.10 |
| Macaroni & cheese w/1 veg. | | 2.95 |
| Hot deli: Sloppy Joes on buns | | 2.85 |

**Friday, September 2**

| | | |
|---|---|---|
| Manhattan clam chowder | (cup) | .75 |
| | (bowl) | .95 |
| Country-fried steak w/1 veg. | | 3.10 |
| Turkey broccoli divan | | 3.10 |
| Fresh fish New Brunswick w/1 veg. | | 2.95 |
| Hot deli: Corned beef | (bread or roll) | 2.85 |
| | (hero) | 2.95 |

# 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 and/or appropriate bargaining unit, with preference to those within the immediate work group; (2) present employees within the Laboratory as a whole; and (3) outside applicants. In keeping with the Affirmative Action plan, selection decisions are made without regard to age, race, color, religion, national origin, sex, handicap or veteran status.

Each week, the Personnel Office lists new personnel placement requisitions. The purpose of these listings is, first, to provide open placement information on all non-scientific staff positions; second, to give employees an opportunity to request consideration for themselves through Personnel; and, finally, for general recruiting purposes. Because of the priority preference policy stated above, each listing does not necessarily represent an opportunity for all candidates. As a guide to readers, the listings are grouped according to the anticipated area of recruitment.

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 Employment Manager, Ext. 2882.

**LABORATORY RECRUITMENT** - Opportunities for Laboratory employees only.

2932 OFFICE SERVICES POSITION - Requires excellent clerical skills and demonstrated organizational abilities. Responsibilities will include detail work in record keeping within the Personnel Records area. Prior IBM PC experience is desirable. Personnel Division

**OPEN RECRUITMENT** - Opportunities for Laboratory employees and outside applicants.

2933 HEALTH PHYSICS POSITION - Requires a BS or MS in health physics or equivalent experience. Will provide expert technical advice and measurement verification in support of NRC staff licensing, inspection and enforcement of domestic facilities that distribute neutron-irradiated gemstones to those exempt from licensing. Will also provide technical assistance to ALARA Center. Department of Nuclear Energy.

2934. COMPUTER OPERATIONS POSITION - Requires AAS degree in data processing or successful completion of computer operations training program or equivalent experience. Will assist in the operation of a large electronic digital computer. Shift work required. Applied Mathematics Department.

## Motor Vehicles & Supplies

87 JEEP WRANGLER - 4-cyl., a/c, extras, 29k mi., excel. cond., $10,500. Ext. 3908 or 585-4038.

87 TOYOTA MR-2 - a/c, 5-spd., am/fm stereo cass., full power, well maintained. Bob R., Ext. 4393 or 289-5969.

86 HYUNDAI EXCEL GLS - 17k mi., a/t, am/fm cass., a/c, 5-dr., $5,000. Ext. 3089 or 2312.

85 SAAB S - 3-dr., 5-spd., a/c, p/s, p/b, p/a, all options, 53k mi., $9,000. Fraser, Ext. 2043.

85 HONDA ACCORD - 4-dr., 5-spd., a/c, am/fm cass., very good cond., $4,000. Ext. 3575 or 261-5290 after 6 p.m.

84 TRANS AM - 5 ltr., 5-spd., a/c, p/w, p/s, p/b, p/l, p/seats, alum. wheels, must sell. 360-0841 after 6 p.m.

84 DODGE CONQUEST - same as Starion, black/gray, 5-spd., leather seats. 878-0842 before 2 p.m.

84 CADILLAC COUPE DEVILLE - rebuilt eng., all new parts, asking $5,500. 289-4980 eves.

84 DOLPHIN MINI MOTOR HOME - dual air, sleeps 5, excel. cond., $13,000 neg. Kurt, 281-1378 after 6 p.m.

83 CHEVY S-10 - 4-spd., very good cond. 325-0447 after 6 p.m.

83 TOYOTA COROLLA - rwd, 4-cyl., a/t, 2-dr. sedan, p/b, a/c, 48k mi., excel. cond., $4,000. Ext. 2944.

82 PLYMOUTH RELIANT - station wagon, 4-cyl., 75k mi., very economical, excel. cond. Yosepha, Ext. 3403/7280 or 3129 eves.

82 FORD ESCORT - a/c, am/fm cass/, new clutch, exhaust, good cond., $900. Ext. 4600 or 3079.

81 SUBARU GLF - fwd, 2-dr., good cond., $1,200 firm. 744-9802.

81 MAZDA RX7 - 5-spd., gold, am/fm cass., sunroof, 94k mi., mint cond., must see, asking $4,000. 286-4772 leave message.

80 PLYMOUTH HORIZON - rebuilt motor, transmission needs work, $500. 286-1183 after 5 p.m.

80 FORD MUSTANG - 4-cyl., 4-spd., new trans, clutch, steering rack, struts & paint, $1,600. Brenda, 366-1860.

80 CAMARO Z28 - 4-spd., 350, needs work, $850. Dick, Ext. 3499 or 589-9103 eves.

80 CHEVETTE - hatchback, 4-dr., a/t, am/fm, good tires, good running cond. Gene, Ext. 2055.

80 PLYMOUTH HORIZON - a/t, runs, good eng. & trans., needs carb. work, $250. Ext. 2248 or 689-8548 after 6 p.m.

80 HONDA CIVIC - hatchback, 4-spd., m/t, good cond., $1,400. 744-5448 after 5 p.m.

79 CADILLAC De VILLE - sedan, a/t, a/c, p/s, p/b, loaded, leather, best offer over $3,000. 360-0841 after 6 p.m.

79 MALIBU CLASSIC - 4-dr., p/s, p/b, a/c, am/fm, V-6, 57k mi., $1,700. 758-6916 after 5 p.m.

79 TOYOTA CELICA GT - 5-spd., a/c, sunroof, am/fm stereo cass., high mi., excel. gas mileage, $2,000. 277-2067 after 6 p.m.

79 COUGAR XR7 - fully loaded, must sell, new car arriving, make offer. Tony, 698-9274 after 6 p.m.

79 FORD FEISTA - 4-spd., stereo cass., good cond., asking $500. Mark, 286-0407.

79 DODGE OMNI - 4-spd., good running cond., clean inside & outside, $450; '73 Satelite bumper, 318 head, 4-spd., tranny. 924-0960 after 5 p.m.

78 BMW 320i - many new parts, radiator, tires, brakes, needs tune-up, $1,700 or best offer. Karl, 467-4036 after 6 p.m.

78 OLDS OMEGA - a/t, p/s, high mi., runs well, new tires, $800. Dennis, Ext. 4028 or 734-5884.

78 FORD GRANADA - 4-dr., V-6, good cond., asking $600. Toshi, Ext. 4029 or 399-1811.

76 VOLVO - 6-cyl., 4-dr., all power, sunroof, needs brakes, muffler, value adjustment, must sell, $800 neg. 696-0838 between 12-4 p.m.

76 ENDRO 250cc - runs well, low mi., make offer. 878-0842 before 2 p.m.

76 FORD MUSTANG - needs engine work, interior like new, many extras. 281-5385.

76 TOYOTA COROLLA - new carb., new timing chains, valve job complete, needs retiming, $150. Al, Ext. 2043.

75 CHEVY - 2-dr., 126k mi., $375; '73 Buick Electra, 4-dr., 106k mi., $550. Lou Pergola, Ext. 3499 or 732-1028.

74 TOYOTA CELICA - 5-spd., runs, needs some work, $100 or best offer. Warren, Ext. 4939 or 924-7552.

74 MG BGT - 72k orig. mi., very good cond., $3,100 or best offer. John, 286-9334.

74 VW BUG - not perfect but runs well, $350 neg. 689-9542.

73 VW SUPER BEETLE - new clutch & exhaust, good cond., sacrifice, $600. Rog, 475-4678.

71 FORD TORINO - 2-dr., a/t, p/s, p/b, 76k mi., $450. Pete, Ext. 2498.

71 YELLOWSTONE CAMPER - 19', sleeps 6, 110v-12v, oven, refrig., bath, heater, etc., asking $3,995. Ext. 4597.

LUGGAGE RACK - extra-large sized roof rack, fastens to rain gutters, fits all cars, $20. Ext. 4153 or 732-5829.

WIRE WHEEL COVERS - set of 4, fit 15" rims, like new. 325-0447 after 6 p.m.

MOTOR HOME - 25' custom built on '79 Dodge chassis, low mi., sleeps 6, many extras. 265-8093.

TRAILER TIRE - Goodyear, w/rim, 20.5x8.0-10, new, $25. Ext. 2214.

TIRES - 8.75x16, good cond., 4 for $40. 727-7741.

MOUNTED TIRES - 3 for Chevy Chevette, $10 ea., 3/$25; GM 15" wheel, $10. Ext 7204 or 331-5912 eves.

## Boats & Marine Supplies

19' BAYLINER - 1980, 140 h.p., I/B-O/B, good cond., $3,500 or best offer. 671-1736 or 288-5839 wknds.

17' GRUMAN CANOE - aluminum, $125. 929-4326.

8' SAILING DINGHY - Skimmer, fiberglass, w/extras, $350; Atomic Four eng., $50; Bristol 33 Aux. sailboat, w/slip in Greenport. Ext. 2405.

AMF MINI SUNFISH - very good cond., car carriers included, $450. Hichborn, 929-4133.

BROWNING BOWRIDER - 1976, w/1984 Cox trailer, very good cond., $3,500. George, 744-9732.

ANCHOR - Danforth-type, $20; 4 misc.-sized air fenders, $15. Ext. 3794.

## Miscellaneous

COUCH - good cond., $25; 2 chairs, excel. cond., $25 ea. Ext. 4120 or 689-7963.

CEILING FIXTURE - fluorescent, 48", Sears, 2x40 watt, maple carved wood frame, diffuser, excel. for kit., l/r, den, $50. Frank, Ext. 4584 or 277-0464.

GENERATOR - 4,000 watt, purchased from Lab, excel. cond., $400. Jim, Ext. 4986 or Ray, 289-1585.

LOVE SEAT - antique, w/matching rocker, mint cond., $650/pr. 727-0505.

HOME CONTENTS - One Miller Ave., Shoreham. 744-0960.

REFRIGERATOR - G.E., top freezer, auto ice maker, $125; brown lounge chair & ottman, $75. Ellie, Ext. 3395 or 325-1537.

AIR CONDITIONER - 8,000 Btu, Westinghouse, very good cond. $125. Ext. 4153 or 732-5829.

RUGS - identical, area, 8'x11½', wool, natural white, 2-yrs., orig. $500 ea., sell for $145 ea. John, Ext. 7671.

TABLE - kitchen, solid oak, 1 removable leaf, good cond., $35. Jim, Ext. 2432.

DRESSER - w/mirror, hardwood, pecan finish, good cond., $125. Scott. Ext. 3369 or 758-7114.

BUREAU - 1920's Deco & chifforobe, $100; old bottle capper, $10; 20" Huffy girls bike, $10. 878-6637.

KITCHEN SET - table w/4 chairs, good cond. 325-0447 after 6 p.m.

BATHROOM VANITIES - 4, immaculate cond., complete w/Kohler sinks & faucets, $150 ea. Tom, Ext. 4084 or 878-1060.

SOFA & CHAIR - sell together or separately, very good cond. 475-0509.

COFFEE TABLE - glass top, oval shape, asking $50. Ramesh, Ext. 4805 or 924-8113.

CHINA HUTCH - cherry wood, $150. 924-0960.

CHANDELIER - stained glass, $75. Sheryl, Ext. 4400.

SOFA BED - Kenmore washer & dryer, price neg. Ext. 5097 or 744-9022 eves.

HOUSEHOLD ITEMS - moving sale. 744-7642.

KITCHEN SET - table & 4 chairs, good cond., 325-0447 after 6 p.m.

TOP SOIL - fine, screened, $18 per yard, delivered; peat moss, sand-gravel blend. 924-9427.

KITCHEN SINK - white, cast iron, 22"x24", w/rim, $25; fish tanks, 30/20/10 gal., w/pumps, filters, 2 stands, $125. Ext. 2214.

LAWN MOWER - Sunbeam, 19" cut, $50; Huffy lawn tractor, 8 h.p., 32" cut, $250. Dan, Ext. 4987 or 698-7322.

NINTENDO TAPES - $25-30; Atari 2600, $40; various cartridges, $5-8; controllers. George, Ext. 4453.

SOFTWARE - Microsoft Word 3.0 for Macintosh, never used, $150. Ext. 4142 or 345-3915.

CAMERA - Mamiya, 35 mm, model E-2, used twice, cost $300, sell $155. Ext. 3699.

PLAYER PIANO - electrified, antique, w/about 2-doz. rolls, $750; Optigon organ, w/discs, $100. 475-7974.

TROPICAL FISH - pink Kissing Goarami, 75¢. 981-5696 except Fri. night & Sat.

BICYCLE - boy's 24" Huffy, black, excel. cond., $55. Jerry, Ext. 7427 or 475-5591 after 5 p.m.

GOLF CLUBS - 2 sets, women's left-handed, new, $100; men's, $65, both w/carts; 2 hardwood lounge chairs, $50/pr. 331-5912 eves.

PARROT CAGE - large, brass finish, $75; TV tubes, parts, electronic components. Duke, Ext. 2957.

DRUMS - Rodgers, 5-piece chrome snare, $350; Fisher AMP 100/w per channel, w/tuner & remote, $250. 277-2671 after 6 p.m.

COCKER SPANIELS - adorable, 9-wks. old, AKC registered, black, males, vet checked, shots. 821-9709.

WEIGHT MACHINE - D-P 4500, all attachments, 6-mo. old, cost $500, asking $300. 472-1302.

BOOTS - insulated, leather, hiking, $20; waterproof hunting type, $10, both men's size 8, excel. 473-6546.

AIRLINE TICKET - to Chicago, IL/Austin, TX, from Islip on Sept. 3. 331-7679 after 6 p.m.

ENGAGEMENT RING - diamond, .46 carat, $900. Lisa, Ext. 2276 or 727-1412 eves.

GOULDS PUMP - 0.5 h.p., new, $200. 399-3401 after 5:30 p.m.

## Yard Sale

BELLPORT - Sat., Aug. 27, 9 a.m.-4 p.m., Browns Lane, partial contents of house, furniture, misc. items. Ext. 4207.

## Free

RABBIT - 6-mo. old, mini lop, gray, w/floppy ears, litter-box trained. 744-0354 eves.

FIREWOOD - you pick up. 744-0354.

HIMALAYAN CAT - beautiful & lovable, 1-yr. old, male, incl. litter tray, etc. Yosepha, Ext. 3403 or 3129 eves.

KITTENS - 4 lovely kittens, 8-wks. old. Ext. 2616 or 751-5868.

KITTENS - black, tiger or multi-color, need good home. Ext. 4120 or 689-7963.

## Car Pools

PLAINVIEW AREA - 4th driver needed. Elliott, Ext. 2495.

## Lost & Found

FOUND - 2 pairs of prescription glasses in NSLS control room. Lynette, Ext. 5136.

## Real Estate

*Real Estate advertised for sale or rent is available without regard for the race, color, creed, sex or national origin of the applicant.*

## For Rent

BELLPORT - part of house, priv. kit., bath, all major appl., priv. entrance, built-in pool avail., single or couple, avail. immed., $450/mo. + 1 mo. sec. 286-0073 after 5 p.m.

BROOKHAVEN - 3 bdrm. house, quiet neighborhood, fenced yd., avail. Sept. 1, $775/mo. + util. Ext. 3084 leave message or 281-3479 eves.

MASTIC BEACH - 3 bdrm. house, 10 min. from Lab, $750. 281-4372 or 212-777-3449.

PORT JEFFERSON - Harbor Hills, 3 bdrm., 2½ baths, l/r, d/r, eik, fam. room, encl. patio, furnished, starting Oct., $1,000/mo. + util. Ext. 4934 or 928-8993.

ROCKY POINT - 2 bdrm. cottage, 1 car gar., porch, bsmt., storage rm., washer, dryer, dishwasher, walk-to-beach, $850 + util. 744-3021 after 6 p.m.

SHIRLEY - 3 bdrm. ranch, l/r, d/r, eik, util. rm., w/w, appl., fenced in yd., quiet st., 1 mi. from Smith Point, 8 mi. from BNL. 744-5448 after 5 p.m.

SHIRLEY - new 1 bdrm. apt., l/r, eik, full bath, w/w, priv. ent., working person or couple, $575/mo. incl. util. 281-1840 eves.

SHOREHAM - 4 bdrm. Colonial, 2½ baths, 2-dr. gar., f/p, n. of 25A, $1,250/mo. 744-7642.

SOUND BEACH - new 1 bdrm. apt., priv. ent., parking, full bath, eik, cable, single, non-smoker, $524/mo. all, 1 mo. sec. Ext. 7918 or 744-3068.

S. JAMESPORT - cozy cottage, 1 bdrm., l/r, eik, bath, porch, furn., suit. couple, walk to beach, 30 min. from Lab, no children/pets, $500/mo. + util. Walt, Ext. 2907 or 698-0576.

CATSKILLS - 3 bdrm. chalet w/sleeping loft, fully furn., near Hunter Mt. Music Festivals, great for hiking, fishing, rafting, swimming, golfing. Kay, Ext. 4501.

HILTON HEAD, S.C. - 2 bdrm. condo, sleeps six, pool, tennis, golf, beach, Aug-Sept. $420/wk. 585-9149.

## For Sale

MEDFORD - 3 bdrm. Colonial, 1½ bath, center hall, l/r, d/r, den, eik, 1-car gar., ½ acre, fenced backyd., $152,900. 286-1571.

MIDDLE ISLAND - Artist Lake condo, 1 bdrm., l/r, kit., bath, a/c, new w/w, dishwasher, clubhouse, sauna, pool, gas heat, 5 min. to Lab, $82,500. Ext. 3144 or 234-2240, 698-5046 eves.

NORTH SHIRLEY - 2-story custom Colonial, 4 bdrm., l/r, d/r, den, eik, f/p, ½ acre, many extras, $170,000. Ext. 2138.

SHOREHAM - 3 bdrm. ranch, gar., a/g pool, ½ acre fenced yd., all appl., patio, 10 min. to Lab, SWD school, $137,000. 821-3373.

SHOREHAM - 4 bdrm. Colonial, n. of 25A, SWR schools, low taxes, assumable mortgage, $180,000. Ext. 2965 or 744-0960.

SHOREHAM - 3 bdrm. ranch, carpeted, pool, wood/coal stove, priv. fenced backyd., 2½-car gar., low taxes, SWR schools, clean, move-in cond., $135,000. 744-9677.

SOUTHAMPTON - 3 bdrm., 2 baths, library, cathedral ceilings, skylights, f/p, 2-car gar., bay windows, patio, 1½ acre, secluded property, beach pass, 20 min. from Lab., $205,000. 369-1363.

YAPHANK - 3 bdrm. townhouse condo, priv. end unit, brick front, full bsmt., attached gar., ca/c, w/w, 5 appl., pools, tennis, clubhouse, many extras, $123,900. 924-0612.

WADING RIVER - large Cape on ½ acre + rustic wooded lot, 3-4 bdrm., 2 baths, d/r, l/r, den, fam. rm., w/fp, finished bsmt., 2-car gar., SWR schools, principals only. 929-6748.

WADING RIVER - 3 bdrm. ranch, excel. cond., 2 baths, l/r, d/r, eik, 2-car gar., bsmt., screened rm., 1 acre, fenced, SWR schools, $175,000 neg. 929-3251.

## Wanted

ROOMMATE - Mastic Beach, quaint 3 bdrm. house, 10 min. from Lab, reliable, non-smoker, $450. 281-4372 or 777-3449.

ROOM - for quiet, non-smoking student, close to Lab. Akin, Ext. 5044 or 4552.

BABY ITEMS - high chair, stroller, car seat. Ext 7192.

HOUSEMATE - non-smoker, share 3 bdrm., 2 bath, hi-ranch, 10 min. to Lab, $450. Ext. 4023 or 929-3721.

GARAGE - to store car. Frank, 736-2575.

COMMODORE 64 - 1541 disk drive, color monitor, reasonable price. Paul, Ext. 4665 or 727-4859.

JEWELRY - designer seeks old costume jewelry, 1930s-1950s, single pieces or collection, cash paid. 472-9199.

HEAVY DUTY TRAILER - for 21' boat, 2,800-lb. capacity. Ext. 4301.

TRAINS - Lionel, American Flyer, accessories, any cond., brings good price. Carole, Ext. 7100 or 924-4097 eves.

CANOE - good cond. Ext. 4846 or 363-6940 after 5 p.m.

CEMENT MIXER - Wet Saw/Bobcat, to buy or rent. Tony, 698-9274.

OUTBOARD MOTOR - 15 h.p. Johnson or Evinrude, short shaft. Joe, beeper 925.

MIRROMATIC PRESSURE COOKER - 6-quart. Ext. 3332 or 941-9034.

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