BROOKHAVEN BULLETIN
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BROOKHAVEN NATIONAL LABORATORY

Women in Science — Ten Years Wiser

When Brookhaven Women in Science (BWIS) first met under that name on September 26, 1979, the group could not have foreseen that, ten years later, their network would have accomplished so much at the Lab.

This interdisciplinary organization — which has included 237 women and four men — has a list of impressive accomplishments that have benefited the Laboratory community as a whole (see sidebar).

"If you are employed by BNL or AUI, you may become a member of Brookhaven Women in Science. So our name is deceiving — because we are not for women scientists only," explains one of BWIS's two group coordinators, Joyce Tichler, a computer scientist in the Atmospheric Sciences Division, Department of Applied Science. "We have been working for the good of the entire Laboratory community, with the aim of helping BNL become a better place for both women and men to work."

A decade older and ten years wiser, BWIS is celebrating its tenth anniversary during the week of Monday, October 30 — and the Laboratory community is invited to attend all the festivities:

- On Monday, October 30, astronomer Bonnie Buratti of the Jet Propulsion Laboratory will present the seminar "The Voyager Spacecraft: Results From the Grand Tour of the Solar System" (see story).
- On Wednesday, November 1, "Me First or You First: the Fine Art of Juggling" will be the topic of a workshop given by sociologist Duffy Spencer (see story).
- A reception will be held on Thursday, November 2, from 4:30 to 6:30 p.m. in the lobby of Berkner Hall.

Women of One Mind

"Harriet started it all — she got a group of us together to go out to speak in the schools," recalls Victoria McLane, a senior physics associate in the National Nuclear Data Center, Department of Nuclear Energy.

Though McLane co-founded BWIS along with Harriet Martin, a senior librarian in the Research Library,

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Some members of Brookhaven Women in Science in August 1989: (top, standing, from left) Helen Kycia, Iris Mastrangelo, Susan Hobbie, Frances Brown, Stephanie LaMontagne, Eva Emmerich, Martha Heine, Susan Eng, Pat Carr; (top, seated, from left) Ruby Fajer, Yasuko Sanborn, Michelle Cummings, Marilyn McKeown, Margareta Rehak, Marsha Belford, Harriet Martin, Fran Scheffel, Patricia Webster, Dorry Tooker, Renée Flack, Veronica Brooks, Rosario Enriquez; (bottom, standing, from left) Betty Jellett, Joyce Tichler, Alyce Daly; (bottom, seated, from left) Avril Woodhead, Gail Williams; (bottom, standing, from left) Ronnie Evans, Anita Cohen, Prantika Som, Rita Straub, Alison Tilp, Carol Archer, Sharon Spark, Noelwah Netusil, Cynthia Pohlig, Jan Collinson; (bottom, seated, from left) Marian Blennau, Vicki McLane, Eena-Mai Franz, Betty McBreen, Diane Mirvis, Mary Kinsley, Sandi Lane, Sonja Santos, and Mary Ann Castrogivanni.
— Photo by Roger Stoutenburgh

Women of Accomplishment

During its first decade, Brookhaven Women in Science (BWIS) worked independently or with BNL's administration to accomplish the following:

- **Since 1979, thousands of Long Island students have been encouraged to consider scientific and technical careers by BWIS members, who were invited to the local schools and universities.**
- **From 1980 to date, 33 prominent women in the sciences and related fields have presented seminars at the Lab, at the invitation of BWIS.**
- **In 1981, 1983 and 1985, Women in Science career days were held at BNL for female students, and, in 1986, one workshop on careers for women in science and engineering was held for teachers and guidance counselors;**
- **A branch of Teacher's Federal Credit Union was established on site in 1982.**
- **In 1983, coordination of medical insurance benefits for spouses both employed at BNL was enacted.**
- **Every year, a one-time, $1,000 scholarship, — established in 1986 to honor the memory of the late, world-renowned BNL physicist Renate W. Chasman — is given to a Long Island woman who is resuming her education in the sciences.**
- **A nuclear structure colloquium and testimonal dinner were held in 1988, to honor the contributions made to physics and the cause of women in science by BNL physicist Gertrude Scharff-Goldhaber.**
- **In 1988, a BNL policy on parental leave, permitting new parents up to three months' time off, was instituted.**
- **The first facility in the nation to be constructed especially for child care by the U.S. Department of Energy will be built at BNL. This follows the 1980 establishment of Just Kids Learning Center, a private day-care facility for BNL parents' use, with a start-up loan from Associated Universities Incorporated.**

You First or Me First?

Duffy Spencer

After an 8:30 a.m. to 5 p.m. job at Brookhaven National Laboratory, employees head for home and family. If the employee is a woman, her workday may be over — but her second shift of housework and child care may be just beginning.

In their attempt to juggle career, family and home, many U.S. working women are trying to be superwomen. Since that is not humanly possible, they pay a heavy emotional price by feeling guilty about their supposed shortcomings.

During the workshop "You First or Me First: The Fine Art of Juggling," sociologist Duffy Spencer will discuss how women can take better care of themselves and their careers, families and homes — without having to be superwomen, or feeling selfish or guilty about taking time for themselves.

Presented by Brookhaven Women in Science (BWIS) during their 10th Anniversary Celebration as a follow up to BWIS's recent parental-leave and child-care initiatives, Spencer's talk will take place from noon to 1 p.m. on Wednesday, November 1, in Berkner Hall, and it is open to the Laboratory community.

As there are not enough hours in a day for women to do all that society now expects of them,"women must reassess their individual priorities and choose what it is that they really want to do," Spencer explains.

"Women cannot handle their responsibilities and live up to their potential unless they learn to take the time to care for themselves first," she continues, "because, paradoxically, in caring for themselves first, they will be better able to care for others. In this workshop, I will examine the difference between self-care and selfishness and look at the messages that society sends women that confuse the two."

While this is a special program for women, it is not for women only: Since the percentage of men who share housework and child-care responsibilities with women is grow-

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A Grand Tour of the Solar System

In the 12 years since they were launched, the two *Voyager* spacecraft have revealed more about four of the solar system's outer planets — Jupiter, Saturn, Uranus and Neptune — than have three millennia of earth-bound observations.

What the two spacecraft have sent back to Earth has been a once-in-a-lifetime look at the giant, outer planets. These vivid images are of such clarity that they are solving many mysteries about the planets' terrain and weather, while posing new questions.

Along with other data collected by the scientific instruments on board Voyager, these pictures will be used to compile an encyclopedia of information about the outer planets, updating the relatively slim volume of planetary knowledge from the past.

Bonnie J. Buratti

Many of these images will be shown by astronomer Bonnie J. Buratti, when she discusses "The *Voyager* Spacecraft: Results From the Grand Tour of the Solar System," in a seminar sponsored by Brookhaven Women in Science during their week-long 10th Anniversary Celebration.

Buratti will speak on Monday, October 30, at 1:30 p.m., in Berkner Hall. The Laboratory community is invited to attend.

A member of the technical staff of the Jet Propulsion Laboratory in Pasadena, California, Buratti is a principal investigator of the Uranus data analysis program of the *Voyager* mission, and she is a participating scientist in *Voyager* photopolarimeter science.

As Buratti will explain, when the spacecraft were launched in 1977, the twin *Voyagers* were given different itineraries for their grand tours. Both, however, took advantage of a once-in-176-year planetary arrangement that enabled the spacecraft to be catapulted from one planet to the next by gravity.

From new rings to new moons, from active volcanos to giant storms, at each stop on the grand tour, *Voyager*

(continued on page 2)

Leaving the Lab — After 35 Years or More

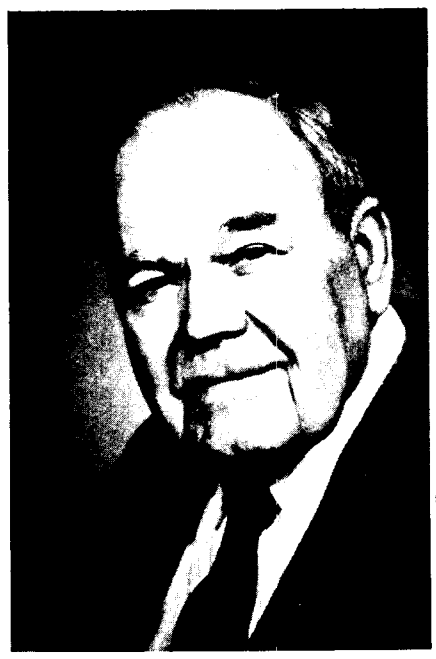
At the end of each month, the Bulletin salutes those employees who are retiring with 35 or more years of Laboratory service.

The day after his retirement from BNL last Tuesday, October 24, Herbert Kouts traveled to Washington, D.C. There — following a swearing-in ceremony, held in the Roosevelt Room of the White House and conducted by John Sununu, President George Bush's Chief of Staff — he began a three-year Presidential appointment to the Defense Nuclear Facility Safety Board. The new agency oversees safety at the defense facilities run by the U.S. Department of Energy, advises the Secretary of Energy on safety at these facilities and makes recommendations.

Kouts, who earned his Ph.D. in physics at Princeton University in 1952, made this week's move from one distinguished career to another 39 years after first coming to the Lab in 1950, to head the Reactor Shielding Group at the Brookhaven Graphite Research Reactor (BGRR). He became head of the Experimental Reactor Physics Group in 1952, then head of the Reactor Physics Division in 1956. He stayed with both these positions until 1968.

It was during this period that Kout's research on reactor development led to his being awarded the U.S. Department of Energy's E.O. Lawrence Award in 1963. "I did neutron physics research for the light-water power reactor industry," he recalled.

Kouts was also one of those working on a very different type of research reactor — Brookhaven's



Roger Stoutenburgh

Herbert Kouts

High Flux Beam Reactor (HFBR). He was one of five co-inventors of the HFBR who, upon signing a patent application in 1962, received a $25 honorarium from the Atomic Energy Commission (AEC). The BGRR was placed on standby in June 1968, following the HFBR's commissioning, in October 1965.

From 1962-67, Kouts was a member of the AEC's Advisory Committee on Reactor Safeguards, serving as its chairman in 1964.

In 1968, Kouts became the first head of the new Technical Support Organization (TSO), in what was then the Department of Nuclear Engineering. The TSO was established to advise and assist the AEC on various aspects of nuclear safeguards.

Kouts left BNL for Washington for the first time in 1973, when he took a leave of absence to join the AEC as the Director of the Division of Reactor Safety Research. In 1975, he became Director of the Office of Nuclear Regulatory Research for the newly formed Nuclear Regulatory Commission.

In 1976, Kouts returned to BNL for two years as Head of the International Safeguards Project Office in the Department of Nuclear Energy (DNE). He became DNE Chairman in 1977.

Kouts was named to the International Nuclear Safety Advisory Group of the International Atomic Energy Agency (IAEA) in 1985. As part of this group, following the Chernobyl nuclear reactor accident in April 1986, he attended the Post-Accident Review Meeting in Vienna. He later co-authored the IAEA's report on Chernobyl and became an authority on the incident.

After two terms as DNE Chairman, Kouts stepped down in 1988, remaining in the department as a senior physicist and working on a number of independent activities, ranging from international matters to nuclear waste management to various committee assignments for the National Academy of Sciences.

As he left BNL this week to begin his commuting career in Washington, Kouts recalled, "I've had a lot of fun at the Lab. The freedom that we had in the early days was pure pleasure. I am very grateful for having had the chance to enjoy life as I did at Brookhaven."

Coming Up

Yuan T. Lee, Professor of Chemistry at the University of California, Berkeley, will give a Chemistry Department Haworth Distinguished Lecture of Lab-wide interest, on Wednesday, November 8, at 4 p.m., in Berkner Hall. His talk on "Chemistry Lasers and Laser Chemistry" will be followed by a reception at 5 p.m.

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The 1989 Van Slyke Lecture will be given by Marian Koshland, Professor of Immunology, University of California, Berkeley. She will speak about "Lymphokine Signaling of Immunoglobulin Gene Expression," on Thursday, November 9, at 8 p.m., in Berkner Hall, in a talk which is open to the public.

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Senior Physicist Samuel Aronson, who is Deputy Chairman of the Physics Department, will present the next Brookhaven Lecture on Wednesday, November 16, at 4 p.m., in Berkner Hall. His topic will be "The Fifth Force — Is It Still With Us?"

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Pianist Christopher O'Riley will present a concert on Thursday, November 16, at 8 p.m. in Berkner Hall. He will play selections from Bartok, Beethoven, Todd Brief, Prokofiev and Stravinsky.

Tickets can be purchased at the door the night of the performance: $9, general admission; $6, students and those over 65; and $5, children under 18.

BWIS (cont'd)

Roger Stoutenburgh

Vicki McLane (standing) and Harriet Martin.

Technical Information Division, the group was first conceived by Martin in January 1979 with no name and a single idea in mind — to send BNL's working women into the local schools as role models for students.

"If we want little girls to grow up to be mathematicians, scientists and engineers, they need to have role models," explains Martin.

"So when I came to work at the Lab in 1977," Martin remembers, "I realized that the women working here were an untapped resource of role models for school children."

Organized by Martin, a group of BNL women made their debut as role models for schoolgirls on February 14, 1979, at the Bay Shore-Brightwaters Public Library.

McLane had teamed with Martin after an earlier solo appearance at the State University of New York at Stony Brook, where she had spoken to a group of female freshmen science majors.

"They asked me quesions like, 'What would you do if your husband didn't want you to work?' I thought that young women were fairly liberated at the time, so I was outraged that they seemed to be taking a step backwards," says McLane.

First naming themselves the BNL Scientific and Professional Women, Martin and McLane called the group together on March 5, 1979, to discuss their future role-model plans. McLane suggested the name "One Mind" for the speakers' program, after the words of the ancient Greek philospher Plato:

> Nothing can be more absurd than the practice which prevails in our country of men and women not following the same pursuits with all their strength and with one mind; for thus the state, instead of being whole, is reduced to half.

In addition to encouraging students, the women found that they benefited from each other's support of their own work. As well, they wished to increase the Laboratory's awareness of the contributions made by women in the sciences, professions and technical fields. They also wanted to help Brookhaven better enable women and men at the Lab to do the best jobs possible.

Forum for Change

Inspired by their success with One Mind, the group decided to enlarge their scope and rename themselves Brookhaven Women in Science. From their first meeting in September 1979, BWIS grew into an independent organization, which was granted a certificate of incorporation by the Regents of the University of the State of New York in November 1982 and non-profit status by the Internal Revenue Service in September 1984.

Over the past decade, BWIS has been run by two group coordinators and an executive board of eight others. For 1989-90, Joyce Tichler and Susan Eng, a computer analyst in the Computing & Communications Division, were elected as BWIS's two coordinators.

"Almost immediately, we became a forum for a lot of personnel policy changes, and our child-care and parental-leave policy initiatives are the most recent examples," explains Martin.

Adds McLane, "The BNL and AUI administrations have been very responsive to the suggestions that we have put forth in our position papers, but, then, our positions have been very well founded in fact and employee opinion."

McLane names the late BNL Deputy Director Warren Winsche as BWIS's mentor, "the person within the BNL administration who took us in hand and showed us how to work within the system, yet be an independent part of it."

Of the others who have enabled BWIS to accomplish all it has during its first decade, McLane and Martin also mention Gail Williams, Manager of the Office of Scientific Personnel; BNL retired physicist Gertrude Scharff-Goldhaber; and Associated Universities, Inc., (AUI), which has underwritten the BWIS lecture series, the One Mind speakers' program and career days, and has been a major contributor to the Renate W. Chasman Scholarship for Women.

"By celebrating ten years of accomplishments, we hope that we can convince more employees to join us — so that we can do even more for BNL in the future," concludes BWIS coordinator Susan Eng.

— Marsha Belford

Behind the BWIS banner, (from left) Vicki McLane, Susan Eng, Harriet Martin and other Brookhaven Women in Science members march in BNL's 40th-anniversary picnic parade, September 1987.

Solar System (cont'd)

1 and *2* revealed natural wonders that were heretofore unknown.

Bonnie J. Buratti received her Ph.D. in astronomy and space sciences from Cornell University in 1983. She also holds an M.S. in geophysics from the Massachusetts Institute of Technology, which she received in 1976. From 1983-85, she was the National Research Council Resident Research Associate at the Jet Propulsion Laboratory, before becoming a member of its technical staff.

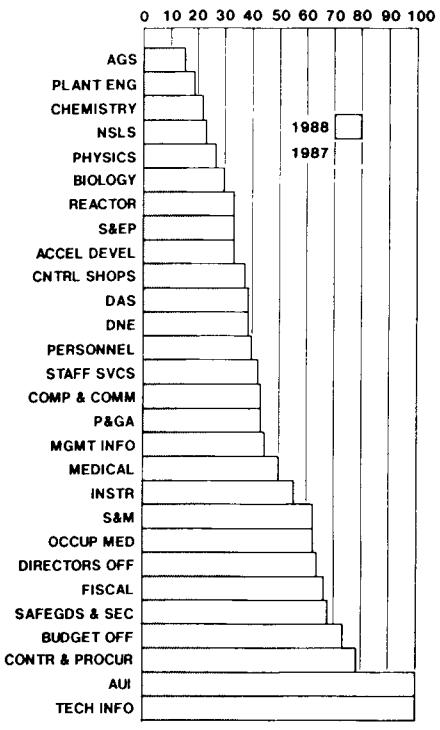
Buratti is a member of the International Astronomical Union, American Geophysical Union, American Astronomical Society, Sigma Xi, American Women in Science and Engineering, and the American Association for the Advancement of Science.

A luncheon in honor of the speaker will be held on Monday at noon in Room C, Berkner Hall. To make reservations at $8 per person, contact Flo O'Brien, Ext. 2265.

Help Top Our Record

Donating to the United Way means helping to fund hospital services, visiting nurses, Scout programs, training for the handicapped, help for recovering alcoholics, and much more.

Last year, 1,160 BNL'ers gave $100,919 to United Way of Long Island — the largest contribution in Lab history. The bar graph shows how much participation increased over 1987. This year, let's beat our record. Sharp cutbacks in outside funding means that many service agencies will depend more than ever on United Way support, and the smallest donation makes a difference to someone in need.



% Personnel Participation

Prizes for Early Pledges!

Every pledge card received by Monday, November 13, when this year's United Way fund drive ends, will be included in a drawing to be held on Tuesday, November 14.

Even after the official drive is ended, however, contributions will be welcome. Last year, over $13,500 came in well after the prizes were won. But agencies waiting for support are grateful to know as soon as possible whether they can afford to continue a program or not, so early pledges are especially appreciated.

Prizes are being donated by Associated Universities, Inc., Local 2230 International Brotherhood of Electrical Workers, and the Long Island Guards Union.

First prize will be a weekend for two in New York City at the Marriott Marquis Hotel — including tickets for a show, dinner, room, brunch and parking.

Numerous other prizes will be awarded for dinner for two at restaurants around Long Island.

For more information, call fund-drive organizer Trudi Neuhoff, Ext. 3058.

A Ghost of Halloween Past

If you think that this is a typical safety inspector, you're out of your gourd! This pumpkinhead appeared at the Tandem Van de Graaff's control room last Halloween, introduced by Alan Gustavsson, Physics Department, who outfitted the visitor with safety in mind and set him up with enough pens for any emergency! — Photo by Roger Stoutenburgh

Me First (cont'd)

ing, men, too, can benefit from Spencer's suggested solutions to the dilemma of how to successfully combine career, home and family — without feeling uncomfortable about taking care of their own emotional needs.

Director of Personal Presence, a human relations training firm, Duffy Spencer is a corporate sociologist specializing in interpersonal communications. She holds a Ph.D. in sociology from St. John's University and an M.S. in social studies education from Queens College.

Spencer is an adjunct professor at New York Institute of Technology and Nassau Community College. In addition, she is called upon by News 12 Long Island as an expert on relationships, and she hosts the show *Just Relationships* on WHPC radio.

Indoor Tennis

Sign-up for indoor tennis in the gymnasium will begin today, October 27. The gym is available for tennis from 5 p.m. to 9 p.m. on Tuesdays, and from 1 p.m. to 5 p.m. on Sundays.

Reservations can be made in person at the BERA Sales Office in Berkner Hall between noon and 2 p.m. on Monday for play the next day, and between noon and 2 p.m. on Friday for play the following Sunday.

Players are reminded that they are limited to one hour of court time per week for singles or two hours each per week for doubles.

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ANITA COHEN, Editor
MARSHA BELFORD, Assistant Editor
LIZ SEUBERT, Reporter

35 Brookhaven Ave., Upton, N.Y. 11973
(516)282-2345

Equipment Demo

Data General Corporation will introduce its new line of UNIX workstations and servers — the AViiON color workstation based on the Motorola 88000 RISC chip — in Berkner Hall next week. Data General's UNIX supports System V.3, POSIX, Berkeley, ANSI C and FIPS POSIX.

Representatives will be on hand on Tuesday, October 31, from 10 a.m. to 2 p.m., to give a live demo, answer questions and distribute copies of their GSA catalog for fiscal year 1990.

Note to Employees:

Attendance at lectures, meetings and other special programs held during normal working hours is subject to supervisory concurrence.

Bowling

Red/Green League

R. Mulderig had a 218, H. Dawson 212, G. Meinken 211, J. Ferrante 208, H. Arnesen 204, N. Parrinello 200, F. Griswold 200.

Pink League

Renie Rosati had a 182, Debbie Keating 175.

White League

Ed Meier had a 225, Ed Beadle 221/208/609 scratch series, Pete Stelmaschuk 208, Arnie Kreisberg 203, Gerry Riker 196/189, Mary Scheidet converted the 6/8/10 split.

Purple League

Karen Vogel had a 224/183, Craig Diaz 218, Joe Ferrante 213, Sharon Smith 193, Nancy Erickson 188, Georgia Irving 182, Cheryl Miezianka 181.

Arrivals & Departures

Arrivals

James E. Allegue.....MIS
Palakkal Asoka-Kumar.....Physics
William S. Brown.....DNE
Joseph Gisondo.....Occ. Med. Clinic
Gerhard Grubel.....Physics
Glenn G. Rackett.....Plant Eng.
Attilio J. Somma.....Reactor

Departures

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

Emilio C. Gatti.....Instrumentation
William H. Harold.....Medical
Kevin B. Hughes.....Accel Dev.
Herbert J. Kouts.....DNE
Richard D. Lingg.....AGS

Party Reservations

Recreation Building

Lab organizations and BERA activity groups interested in reserving the Recreation Building in the apartment area for holiday parties are invited to send a representative to a meeting on Monday, November 6, at 11 a.m., in the conference room of Bldg. 185A.

As in past years, reservations will be made in the order determined by a lottery, which will be held for those attending the meeting. As long as dates are available, subsequent reservations may be made through Friday, November 17, by contacting the Recreation Office, Ext. 2873.

Brookhaven Center

Reservations for parties at the Brookhaven Center may be arranged by calling Jean Byrne, Staff Services, Ext. 2553.

Service Awards

The following employees received service awards during the month of October, 1989:

Thirty-Five Years

Eugene P. Cronkite.....Medical
David C. Rahm.....Physics

Twenty-Five Years

Katherine J. Boggi.....MIS
Bill Greenberg.....Biology
John C. Heinrichs.....Medical
Mark Sakitt.....Physics

Twenty Years

Bernice W. Armstrong.....Medical
Gerard M. Blackford.....Budget
Donald M. Lazarus.....AGS
Ronald R. Picinich.....Accel. Dev.
Albert A. Pinelli.....Nuc. Energy
Rose E. Woodson.....Staff Serv.

Ten Years

Jay W. Adams.....Nuc. Energy
William J. Behrens.....App. Science
Richard W. Biscardi.....NSLS
Susan T. Carlsen.....S&EP
Wickham F. Case Jr......NSLS
William H. Dalton.....Cen. Shops
Sheree J. Flippen.....Nuc. Energy
Albert L. Hanson.....Nuc. Energy
Glenn H. Jochen.....Accel. Dev.
Salvatore F. Marino.....Physics
Ralph N. McDowall.....Plant Eng.
Vera M. Mott.....Accel. Dev.
Aristodimos J. Philippacopoulos.....Nuc. Energy
Venetios A. Polychronakos...Physics
John A. Scheblein.....AGS
Richard C. Shultz.....Biology
Walter F. Stoeber.....NSLS
William H. Van Zwienen....Accel. Dev.
Arlene F. Waltz.....App. Science
George H. Wunderlich.....Plant Eng.

Social Club

Events on the BERA Social Club calendar include:

- U.S. Hot-Rod Mud-Bog Drag Racing Championship — Saturday, November 18, ticket money due today, $15.
- Walt Disney on Ice/Peter Pan — Sunday, December 3, tickets still available, $13.50, money due November 10.
- Ski Trip to Gore/West Mountain — February 2 to 4, $179 each 2 per room, $169 each 3 per room, $159 each 4 per room. Deposit of $35 due December 1; balance due January 12, 1990.

Call Doris Terry, Ext. 7610, for reservations or information.

Cafeteria Menu

Monday, October 30

Luncheons:

Soup: Chicken noodle	(cup)	.75
	(bowl)	.95
Entree: Beefaroni w/veg.		3.00
Entree: Spinach quiche w/veg.		3.10
Fitness fare: Chicken oregano w/veg.		3.10
Carvery: Roast beef		2.85

Tuesday, October 31

Soup: Cream of mushroom	(cup)	.75
	(bowl)	.95
Entree: Breaded liver w/onions & bacon & veg.		3.10
Entree: Chicken cordon bleu — special dinner		
Fitness fare: Beef bourguignon w/veg.		3.10
Carvery: Baked Virginia ham		2.85

Wednesday, November 1

Soup: Navy bean	(cup)	.75
	(bowl)	.95
Entree: Arroz con pollo		3.10
Entree: Taco bar — Top your own	(each)	.99
Fitness fare: Baked fish w/herbs & veg.		3.10
Carvery: Hot pastrami		2.85

Thursday, November 2

Soup: Cream of spinach	(cup)	.75
	(bowl)	.95
Entree: Sausage, pepper & potato hero		2.85
Entree: Braised beef short ribs w/veg.		3.10
Fitness fare: Green peppers vegetarian w/veg.		2.85
Carvery: Hot turkey		2.85

Friday, November 3

Soup: Manhattan clam chowder	(cup)	.75
	(bowl)	.95
Entree: Fried sole w/coleslaw		3.10
Entree: Cheese tortellini w/red sauce & veg.		3.00
Fitness fare: Baked sole w/lemon & veg.		3.10
Carvery: Hot corned beef		2.85

Dinners:

Monday: Seafood nuggets w/coleslaw
Tuesday: Monte Christo w/fries
Wednesday: Stuffed peppers
Thursday: Knockwurst w/sauerkraut
Friday: Fish cakes w/spaghetti

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.

The vacancies listed below have been exempted by the Director's Office from the current freeze on open requisitions.

LABORATORY RECRUITMENT - Opportunities for Laboratory employees only.

4119. SECRETARIAL POSITION - Requires AAS in secretarial science or equivalent experience and a knowledge of Laboratory policies and procedures. Will perform general secretarial duties for Safety and Risk Evaluation Division. Responsibilities will include preparing technical reports, correspondence, purchase requisitions and travel vouchers. Word processing experience required; IBM PC WordPerfect preferred. Department of Nuclear Energy.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside applicants.

4120. MAIN CONTROL ROOM OPERATOR - Requires BS or equivalent in physics or electrical engineering, computer programming experience and excellent communication skills. Background in computer controls, high-power pulsed power supplies and digital electronics desirable. Primary duties, as part of a rotating shift team, will be the operation and troubleshooting of the AGS accelerator complex for the experimental physics program. Alternating Gradient Synchrotron Department.

Motor Vehicles & Supplies

88 KAWASAKI NINJA 600 - limited edition, cherry red/gray, 7k mi., excel. cond., $2,800. Dave W., Ext. 4978/4544 or 744-2830.

87 MAZDA 323-LX - 4-dr., a/t, ac, p/s, am/fm cass., sunroof, 45k mi., $5,000. John, Ext. 3147 or Linda, 924-1038.

87 DODGE SHADOW - fully loaded, turbo sport package, well maintained, white w/red interior. Barbara, Ext. 2746 or 345-5476.

86 CHEVY SPRINT - 2-dr., 5-spd., 3-cyl., excel. gas mileage, body damage, best offer. Joe, pager 0925 or 728-1859 eves.

86 HYUNDAI EXCEL GL - h/b, 5-dr., 5-spd., am/fm, $2,800. Leo, Ext. 4615.

86 HONDA SPREE MOPED - w/helmet, $250. Frank, Ext. 2314 or 567-5131.

86 MAZDA B2000 - bed liner, cap, some extras, excel. cond., $5,500 firm. Pat, 924-2298.

86 FORD ESCORT - p/s, p/b, a/t, ac, 37k mi., excel. cond., asking $4,500. Warner, Ext. 2343.

86 MERKUR X24Ti - a/t, ac, p/w, p/l, new turbo, 55k mi., extended warranty, $7,500. Rich, Ext. 5284 or 924-4237.

84 EAGLE - 4wd, 4-dr. wagon, a/t, p/s, ac, am/fm cass., 44k mi., clean, asking $4,900. 473-2473.

84 HONDA AERO-125 - motor scooter, 8k mi., good cond., reliable, new battery, $500. Frank, Ext. 7519 or Vita, 277-0464.

84 OLDS OMEGA - 65k mi., 2-dr., p/s, p/b, ac, am/fm cass., excel. cond., $3,500. Jim, Ext. 4606 or 654-5049 after 6 p.m.

83 NISSAN SENTRA - 5-spd., am/fm cass., excel. mechanical cond., $1,895. 369-9221.

83 SUBARU GL - 4-dr. wagon, 5-spd., am/fm, asking $2,200. Ext. 2604 or 473-2473.

83 PONTIAC TRANS AM - black/gold, 5-sd., ac, T-top, am/fm cass., mint in/out, $4,500. Ext. 7291.

82 TOYOTA - s/w, 5-spd., $950. Al, Ext. 2043.

82 PONTIAC GRAND PRIX - 6-cyl., ac, a/t, p/w, $2,500. Ext. 5156 or 581-4436.

82 NISSAN STANZA - 5-spd., 132k mi., excel. mechanical cond., $1,200. Kurt, Ext. 4116 or 821-0104.

82 PLYMOUTH CHAMP - good runner, new tires, clutch, paint, best offer over $1,000. Joel, Ext. 3738 or 744-1628.

82 CHEVY MALIBU - V-8, s/w, all equipment, runs well, high mileage, some body work, $1,400 or best offer. Connie, Ext. 2594.

81 HONDA ACCORD - 5-spd., 4-dr., p/b, p/s, am/fm stereo cass., new brakes, excel. running cond., asking $1,750. Jean, Ext. 3117 or 5469.

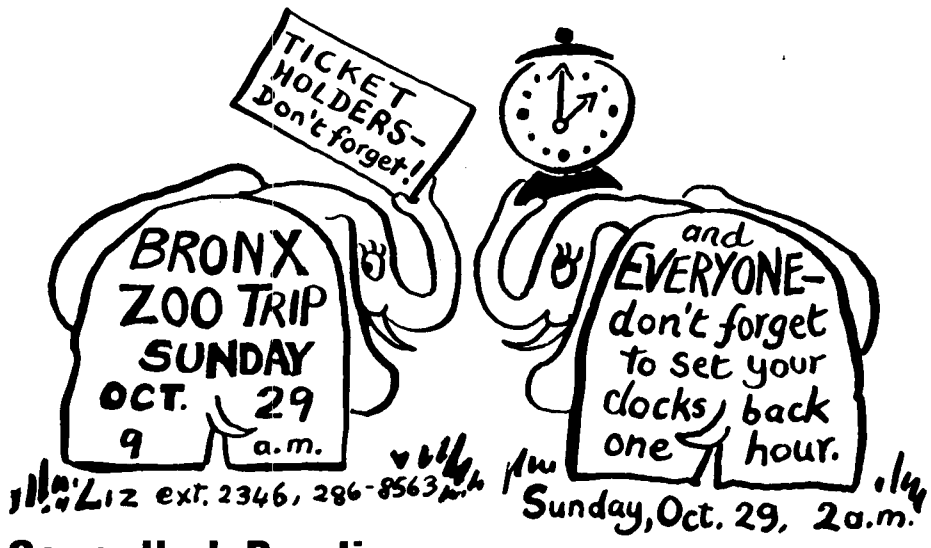
81 TOYOTA COROLLA - 4-dr., 5-spd., excel. cond., some rust, $950. Ext. 3492 or 289-6844 eves.

81 HONDA ACCORD - 4-dr., 5-spd., 123k mi., runs well, $950. John, Ext. 4214.

81 OLDS - s/w, loaded, good cond., $1,800. Don, Ext. 4821 or 286-2267.

81 FORD GRANADA - 81k mi., rebuilt trans., many new parts, body damage, runs well, moving, $350. Huang, Ext. 2379.

80 MONTE CARLO - V-6, p/s, p/b, ac, 80k mi., runs well, $1,200. Chris, Ext. 2326.



Cancelled: Reading Shopping Trip

The proposed shopping trip to Reading, Pennyslvania, has been cancelled due to lack of interest. Those who have reserved seats should have already received their checks back, but if not, call or see Louisa Barone at the BERA Sales Office, Ext. 3347, for your refund.

Adult Swim Lessons

BERA is again offering a series of eight swimming lessons for adults, after work on Wednesdays, from 5:15 to 6:30 p.m., starting November 8 and continuing through mid-December. The fee is $20, and paid registrations are now being accepted at the swimming pool.

79 SUNLINE TRAVEL TRAILER - sleeps 6, new tires, battery & brakes, stands & awning, $4,100 neg., will deliver. Artie, Ext. 4988 or 325-0743.

79 FORD - 105k mi., good cond., runs well, asking $500. Hamid, Ext. 2618.

79 DODGE ASPEN - 6-cyl, a/t, for parts,; '80 VW Rabbit, diesel, for parts. 654-4661 eves. & wknds.

79 MONTE CARLO - 2-dr., black, runs fairly well, some new parts, might need new muffler, cass., $900. JoAnn, Ext. 4311.

78 FIREBIRD - body parts. Rich, Ext. 2043 or 435-4316.

78 MERCURY COUGAR XR7 - 351 eng., 68k orig. mi., garaged, all power, ac, am/fm, new tires & battery, mint cond., $2,100. Bob, 475-2598.

75 FORD VAN - camping, raised roof, sink, refrigerator, stove w/oven, sleeps 4, runs well, $3,000. Ext. 7699 or 821-1435.

74 MERCURY COUGAR - V-8, 350, high mileage, $125. 821-0250.

66 MUSTANG - 289, a/t, vinyl top, pony int., ET wheels, engine OK but car needs work, best offer. Kevin, Ext. 2948.

TIRES - 2, Dunlop Qualifier M/S radial, 225/60R15, 4k mi. old, cost $225, $100. Don, Ext. 2981.

TIRES - 7.50/16LT, $50 ea.; power take-off, $100; snatch block, $100. 289-0883.

TIRES & WHEELS - 4, Ford truck, 875-16.5, 8 lugs, excel. cond., $125. Dick, Ext. 3457 or 589-9103.

Boats & Marine Supplies

28' MORC SLOOP KIT - 90% completed, beautiful dark blue hull, sacrifice, $16,000 neg. Jim, Ext. 4584.

22' S&S SLOOP - 4 sails, 9.9 h.p., electric start, VHF, dodger, very seaworthy, $6,500. Ext. 4266 or 286-0854.

19' BOWRIDER CRUISER - 1972, w/1976 115-h.p. Johnson, Coast Guard pkg., trailer w/electric winch, $3,000. Frank, Ext. 2314 or 567-5131.

16' DURANAUTIC ALUMINUM BOAT - welded seams, heavy gauge, many extras, $600. 298-4172 after 6 p.m.

CRADLE - adjustable steel, fits 20'-25' keel-type sailboat, just rebuilt, $800. Bernie, Ext. 4842.

MOTOR - leftover 1984 Johnson 40-h.p., long shaft, very low hours, many extras, $1,285. 298-4172 after 6 p.m.

TROJAN - 1973, all glass, sleeps 6, twin Chrysler 318 engines, excel. cond., in water, must see, 286-0264.

Furnishings & Appliances

FURNITURE - chair, $30; queen-size bed, $100; coffee table, $30, more. Steve, 874-3729 eves.

SOFA - tan sofa w/2 built-in recliners; matching recliner/rocker, both w/oak trim, Scotch Guard, $450. Joe, Ext. 5139 or 979-6569 eves.

BREAKFRONT CABINET - 6' wide, Mediterranean style, $350. Neal, Ext. 2254.

WATER BED - King-size, waveless, 6-drawer pedestal, mirrored headboard, heater, $490. Bob or Diane, 744-4879.

COFFEE TABLE - dark wood, $75; dark wood end table, $35; couch w/matching chair, flower print, good cond., $150. JoAnne, Ext. 4120 or 689-7963.

UPRIGHT FREEZER - 4 cu. ft., excel. cond., $95; solid state mixer, Kitchen Aid, heavy duty, w/access., new, $175. 654-4661 eves & wknds.

WASHER - & gas dryer, Kenmore, large capacity, 5 yrs. old, excel. cond., washer/$150, dryer/$100. 727-7602 after 6 p.m.

WASHER - Sanyo, portable, less than 4 mo. old, $200; Magic Chef refrigerator, 16 cu. ft., auto defrost, white, $400. 698-1317.

DISHWASHER - GE, portable, good cond., $75. Tom, Ext. 5350 or 929-3298 after 6 p.m.

DISHWASHER - GE, portable, excel. cond., $75. L. Kukacka, Ext. 3065.

FIREPLACE - round, red, glass enclosed, free standing, complete. Mike, 281-6070.

MICROWAVE - Sharp, $130; king-size mattress frame, $80; garden table chairs, $40; Gorilla guitar amplifier, $70; plants. Jean, Ext. 3117 or 5469.

REFRIGERATOR - 22 cu. ft., side-by-side, good cond., $50. 744-6962.

Tools, House & Garden

TABLE SAW - bench-top model, excel. cond., $65. Bill, Ext. 4986 or 563-1940.

SNOWPLOW - 8', power angle, w/all hardware, for 73-39 Ford, must sell, asking $500. 474-5715.

KEROSENE HEATER - Sears, 12,500 Btu; Emerson am/fm stereo receiver/stereo cassette recorder w/detached speakers. Bettie, Ext. 3046.

TUNE-UP CENTER - Snap-On, 3 meters, $250; Snap-On brake bleeder, $150; 20-ton air assisted hydraulic jack, $250, must sell. 474-5715.

KEROSENE HEATER - Omni 105, $75; 50 gallon drum, $30. 475-0781 after 5 p.m.

LAWNMOWERS - two 21" cut rear baggers: Wheeler w/hand bag, $85; Lawnboy w/mulching plate, $175. Dan, Ext. 4987 or 698-7322.

SNOW BLOWER - electric start, self-propelled, $75. Al, Ext. 2043.

WOOD STOVE - Penn, airtight, excel. cond., $100. Kevin, 281-8031.

Sports, Hobbies & Pets

SKI - Hexel, 190 cm w/Macker M40 bindings, $50; Lange size 10½ boots, $10. Karl, Ext. 7977.

DRYSUIT - Poseidon, man's large, like new, must sell, asking $500. 474-5715.

GOLF CLUBS - Cannon advanced, graphite driver, 3 through 9 irons, PW, SW, used 6 times, $275. 265-6238.

PIANO - Lester Betsy Ross, spinet, w/bench, excel. cond., $700. Tony, Ext. 3658 or 929-4903.

CAMERA - Minolta Maxxum 7000, w/50mm/1.7 lens, flash & AA battery case, $300. Marc, Ext. 4574 or 874-3729 eves.

BICYCLE - "27" Huffy LeGrande, 10-spd., charcoal gray, new, asking $85. 724-7758.

SKI BOOTS - Lange, woman's size 8, excel. cond., $30; K2 610-FO skis, racing/recreational series, 180 cm, $60. L. Kukacka, Ext. 3065.

SKI BOOTS - Raichle, 1 yr. old, rear-entry, size 3, $30. Joe, Ext. 467-2422.

ROLLER BLADES - blade runners, size 3, like new, $40. Joe, Ext. 467-2422.

CLARINET - student model, $125; advanced Signet, excel. cond., $250. Jim, Ext. 3372 or 821-0250.

WEIGHT-LIFTING SET - steel, barbell/dumbell set, w/bench & leg weight attachment, 130/lbs. Frank, Ext. 2314 or 567-5131.

Audio, Video & Computer

VCR - Samsung, new, remote control, on-screen programming, $125. Jim, Ext. 2460.

STEREO CASSETTE DECK - Sanio, amplifier, tuner, Pioneer CD player, Scott 3-way speakers, asking $300. Jean, Ext. 5469 or 3117.

COMPACT STEREO - Yorx Q1200, radio, disc, 2x tapes, fast dubbing, speaker, excel cond., $50. Steve, 874-3729 eves.

Miscellaneous

COAT - London Fog, size 6 petite, tan w/lined hood, like new, $85. Ext. 7957.

CRAFTS - decorated hats, baskets, hoops, photo albums, frames, Christmas ornaments, more, we take orders. Lois, Ext. 4904 or Karen, Ext. 3513.

SOUP - best Seafood Bisque on Atlantic Coast, plan ahead, makes wonderful holiday gift. Ruth Ann, Ext. 7774 or 929-6235.

SWEATERS - women's, 100% cotton, many colors, $19; designer sweaters & fancy sweater jackets, $30 & up. Richard, 585-0239.

Lost & Found

FOUND - gold bracelet, by Cashier's office. Janet, Ext. 2345.

LOST - raincoat belt, beige, tie, lunchtime at Cafeteria, 10/24. Linda, Ext. 4194.

Free

TRAILER - 15' house trailer, 66 Corsair, needs work, must go. 286-9097.

18' FIBERGLASS SKIFF - on trailer, i/o needs work. Don, Ext. 4821 or 286-2267.

KITTENS - 1 black/white, 1 black/brown mix, 7 weeks old. 475-5448.

Car Pools

BOHEMIA-OAKDALE-SAYVILLE- need 2 more drivers for car pool, also can meet at Exit 59, LI Expressway. Frank, Ext. 2314.

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 VILLAGE - charming, secluded home, steps to golf & tennis, French doors, decks, outside hot tub, delightfully furnished, $1,200 + util. Susan, Ext. 2888 or 286-0422.

BLUE POINT - 2½-rm. apt., bdrm., l/r, kitchen, cathedral ceiling w/fan, 4 large closets, pvt. ent. w/deck, $700/mo. + util., sec., refs., avail. Nov. 1. Richard. 363-6845.

BROOKHAVEN HAMLET - 3 bdrm. house on quiet country lane, 2 baths, l/r-d/r w/fp, avail 11/1, $925/mo. + sec., util. Ext. 7607, beeper 0830, or 286-0204.

EAST SETAUKET - fully furnished 4 bdrm., 1½ baths, 3VSD, avail. immediately, $1,110/mo. 473-4938.

MASTIC BEACH - 2-bdrm. furn. house, 15 min. from Lab, f/p, fenced yard, $750/mo. 281-4372 or 212-777-3449, leave message.

NORTH SHIRLEY - furnished bsmt. apt., newly decorated, pvt. ent., 1 person, nonsmoker, no pets, 5 min. from Lab & stores, $500 pays all. 281-8044.

NORTH SHIRLEY - 1-bdrm. apt.,w/w, full bath, l/r-kitchen combo, 3 miles to Lab, $600/mo. util. incl. & cable. 395-9112.

PORT JEFFERSON VILLAGE - 3-bdrms., l/r, eik, bath, nonsmokers, no pets, $950/mo. + util. Ext. 3705 or 689-1877 eves.

QUIOGUE - furn. studio apt, kitchen, bath, l/r-bdrm. combo, w/w, 30 min. from Lab, nonsmoker, $575/mo., 1 mo. sec. Ext. 4960 or 288-5576.

SHIRLEY - 3-bdrm. ranch, l/r, eik, bath, gar., furnished, ½ acre, owner, $900/mo. 473-6432.

SHIRLEY - 4-bdrm. center-hall Colonial, igp, bsmt, fd/r, eik, fam. rm., den, woodburning stove, gar., all appl., $1,200/mo. or $375/bdrm. 399-1868.

CATSKILLS, NY - 3-bdrm. chalet w/sleep. loft, furn., near Hunter & Windham Mts., great for hunting, skiing. Ben, Ext. 3642 or Kay, Ext. 4501.

HILTON HEAD, SC - 2-bdrm. condo, 2 baths, sleeps six, tennis, golf, beach, pool, Oct. openings, $400/wl. 689-5378.

For Sale

MASTIC - 3-bdrm. ranch, ¼ acre, 1½ baths, den, fin. bsmt., deck, appl., house fan, 3 ceiling fans, shed, fence, near school, shopping, 15 min. to Lab, ask. $115,000. 265-2366 after 6 p.m. wknds.

MIDDLE ISLAND - Lake Pointe, 2 bdrm., l/r-d/r, cac, gas heat, wood deck, pool, tennis courts, clubhouse, ask. $81,000, neg. Bob, 924-7316.

MIDDLE ISLAND - 3-bdrm. ranch, 18'x24' great room, l/r w/fp, d/r, eik, 1½ baths, skylights, ig pool, sprinklers, deck, more, 5 min. to Lab, $144,990, mint. 924-8426 eves.

SETAUKET - 7 rm., 2 baths, custom-designed & built by technical expert owner for own use, 0.86 acre, rare plants, deeded beach rights. 473-4666.

YAPHANK - Whispering Pines, 2-bdrm. condo, 1½ baths, cac, full finished bsmt., f/p, gar., all appliances, patio, $129,000. 924-2446.

ADIRONDACKS - 2 wooded, waterfront properties 20 min. from Lake George; one, 590' on water, $57,000; other, 290', $55,000; terms avail. for both. Pat or Barbara, 288-5576 or Ext. 4960.

FT. LAUDERDALE, FL - 1980 double-wide mobile home, 2 bdrm., 2 baths, l/r, d/r, eik, w/w, ac, w/d, furnished, screened-in porch, sickness in family, $17,000. George or Carol, 475-6333.

MADERIA BEACH, FL - 1-week time share in Commodore Beach Club, Gulf view, pool, jacuzzi, sleeps 4 adults, asking $5,000, must sell. 474-5715.

HUBBARDTON, VT - land, 38+ acres, water view, 30 min. Killinton ski area, town-maintained road, low taxes, wooded, power, telephone, asking $45,000. Tom, Ext. 2823.

Wanted

OLD FLOOR SAFE - will gladly pick up. Artie, Ext. 4988 or 325-0743.

PERSONS TO SKI- or shop Quebec and Montreal, Feb. 16-19, $309 includes trans., meals, lift tickets, tours, hotel. Bea, Ext. 3642 or 732-2472.

STEREO COMPONENTS - old, tubed, Macintosh, Marantz or Western Electric, working or not. Jim,. Ext. 4584.

COMMODORE - 1541 disk drive. Walter, Ext. 3499 or 757-6392.

LIONEL/AMERICAN FLYER TRAINS - and accessories, top dollar paid. Bruce, 924-4097.

SOLOFLEX - muscle machine, reasonable. Ext. 7957.

OSCILLOSCOPE - used, 20 MHz, dual trace or similar, some repair work OK; microscope for university student. Robyn, Ext. 3422.

LAWNMOWERS — any condition, also small gas engine tools. Dan, Ext. 4987 or 698-7322 eves.

FRAMED WINDOWS - wood, small size in good cond. Pete, 929-3847.

WEIGHTLIFTERS - need reliable partner for bench pressing, two times per week, intermediate bodybuilding program. Danny, 286-1278.

HOUSE TO SHARE - Shirley, $450/mo. + util., 3 bdrm., eik, bath, gar., furn. Arnold, 473-6432.

STUDY GROUP - to study for make-up exam in cover and concealment contact. Mr. Wilson, Ext. 2238.

PERSON — to convert home movies to video w/background music. Georgia, Ext. 7957.

CHALET - near ski area, Manchester, Vermont, week of Feb. 19th. Ext. 3705.

SPANISH TUTOR - for beginner adult student. Gene, Ext. 2023.

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