

Stanton Cohn (second from left), BNL Medical Department, explains the whole body counter to Dr. Robert Parr, Scientific Secretary, International Atomic Energy Agency, and other members of the IAEA advisory group which met at BNL last month to discuss nuclear-based techniques for the *in vivo* study of human body composition. During a break in their sessions, the group toured the medical physics facilities in the Medical Department.

(See page 2 for report on IAEA meeting.)

## Managing The Inn At Upton

Househunting is time-consuming, especially in an unfamiliar area. If BNL's visiting scientists had to find their own summer lodging, that would take valuable time away from the few short months available for research.

As the first priority of a visiting scientist is science - not househunting - BNL's Housing Office assigns and maintains 473 on-site residential units, more than many good-sized hotels.

Head of the Housing Office, as well as the complementary offices of Charter Aircraft, Special Programs, Travel and Transportation, is Dorothy Metz. Part of the Staff Services Division, these offices are located in Bldg. 179B where Gisella Murphy and Mary Glynn are assigned to housing full time with an able assist from Jane Guido. At this time of the year, Metz said, many overtime hours are required to accomplish the essential work at hand. "In addition to normal requests for housing, we've been getting ready for the visiting scientists, and special events such as the ISABELLE workshop. Everyone's requirements have to be considered top priority."

Since many BNL guests are new to this country or to the area, the staff of the Housing Office often becomes their first line of contact if they have questions or problems, even after they are comfortably installed in their new homes. Murphy remembers a worried caller who said, "My wall is blinking!" As it turned out, sunlight was reflecting off the first Venetian blinds this person had ever seen.

The problems of some callers are more serious. Once, after a heavy snowfall, Glynn received a frantic call from a mother who said her child was "drowning" in the snow. Glynn realized that the problem was suffocation and that the child was truly in trouble. Her quick call to the Lab's 2222 emergency number helped avert a possible disaster.

The Housing Office is also responsible for keeping all Lab quarters fully furnished. As Metz said, "We supply everything but the toothbrush." Among other things, the job of pur-

chasing and maintaining furnishings involves seeing that furniture is ordered and in place; that complete sets of dishes are in clean closets; that linens are free of holes and in adequate supply; that electric brooms and other appliances work. Housing's 23-person, beefed-up summer custodial staff, supervised by Tony Guacci, spruces up the units after they've been vacated and provides domestic service to the dormitories, Guest House, and family units.

Shortly after the Lab opened in January 1947, the need for accommodations was recognized. So the Camp Upton Military Hospital, located in the southwest corner of the property, was converted to 70 apartments of various sizes. The barracks housing GIs who served here during World War II became the 13-room Guest House and four dormitories. Now, the 40 rooms of Curie House are reserved for women, while Cavendish, Compton and Fleming Houses provide 265 rooms for men.

These lodgings sufficed until the early 60's when the Lab built 44 efficiency apartments. In 1967, the first twenty unheated summer cottages were built, nestled in a pine woods. Ten more of these three and four bedroom units were added a few years later. The sixteen mobile units added in 1975 are also used only for the summer months.

"There's never enough housing in the summer, and there's no relief in sight," Metz said. "The Light Source is going to generate a requirement for more housing in the near future and later, there will be ISABELLE."

The rest of the year, the Housing Office honors other requests in accordance with established policies. Such lodgers can range from new Lab staff and their families who live at BNL while looking for a permanent home, to other employees facing an emergency situation who find themselves in need of temporary quarters.

All on-site housing is rented and paid for according to an established

(Continued on page 2)

## Summertime Is Research Time

For William Albritton, a summer visitor from Winnipeg Canada, BNL is the place to be. Advantages such as the presence of a well-known scientist in his field, suitable living conditions for his family, and a lot of time to concentrate on research have brought him back to BNL for a second consecutive summer.

"I must admit I was skeptical when I first came," said the native Alabamian, "because not being from a big urban area, I thought Long Island

mid, is able to be transferred from cell to cell.

The problem is that when the cells become resistant to an antibiotic, they become refractory to treatment. Since there is a potential for the cells to become resistant to a large number of antibiotics, treatment could become very difficult. Albritton's goal is to understand the mechanisms by which resistance is transferred between cells.

One of Albritton's main reasons for coming to BNL was to work with Jane Setlow, Biology, who has spent about 20 years studying the transfer of chromosomal DNA in *H. influenzae*. "What she knows about the transfer of chromosomal DNA in *H. influenzae* has been an enormous help in understanding what happens to plasmids," Albritton said. "Nobody else has her expertise and she is very generous in this type of collaboration."

Both Albritton and Setlow are more interested in how the plasmids are transferred than in where they originated. It may be possible, however, that they will solve this puzzle through detailed studies. Albritton said there seem to be enough differences between the way *H. influenzae* transfers these plasmids and the way other cells transfer them to make it worth-while to find out exactly what those differences are.

Albritton finds he can concentrate on research in his lab because he knows his family is enjoying the summer in a BNL apartment. "The environment here is very nice," Albritton said. "At most other institutions, you have to find housing and there are no immediate friends for children. Most of the people in the housing complex here are visitors, so the children can get to know other children from a wide variety of countries. That is most enjoyable."

When Albritton returns to the University of Manitoba he will resume his responsibilities in teaching, training pediatricians, and acting as a consultant to other doctors. In the course of these commitments, he rarely finds any free time. But while at BNL, he can spend all his time thinking and working in research. "To me that's very necessary," he said. "Otherwise, I would rapidly be unable to continue productive research."

— Myra Aronson



William Albritton

would be like New York City." But Albritton has found BNL to be the perfect location for his research, which deals with the transformation of plasmids in *Haemophilus influenzae*.

Albritton is an associate professor of pediatrics and medical microbiology at the University of Manitoba. He earned his M.D. at the University of Alabama and did his pediatric training at Stanford University. His concern with *H. influenzae* is the organism's potential to cause severe infections, particularly in children. These infections include meningitis, pneumonia, septic arthritis and bone and joint infections.

Since 1974, *H. influenzae* has developed resistance to one of the most commonly used antibiotics, ampicillin. This resistance, which is carried on a little piece of DNA called a plas-



Of primary concern to this pleasant crew is the welfare of any guest of the "Upton Inn." Dorothy Metz (seated) supervises the Housing Office and is assisted by (from left) Jane Guido, Gisella Murphy and Mary Glynn.

## A Double Bill

Marie Cassidy, Professor of Physiology at the George Washington University Medical Center will discuss "The Mechanism of Action of Dietary Fiber: Structure/Function Correlates" at a seminar sponsored by Women in Science, Tuesday, July 14 at 3:30 p.m. in the Medical Research Center (Large Conference Room).

Dr. Cassidy is also an articulate advocate of the participation of women in the sciences, and will present a second, informal talk on "Women in Science in the Next Twenty Years: Making our Presence Felt" at noon, Room A, Berkner Hall, the same day. She has served as president of the Federation of Organizations of Professional Women and as consultant to Senator Kennedy on the Women in Science Technology Act (which Congress passed in Dec. 1980). She has also received an NSF grant to study the status of women in the sciences.



Marie Cassidy

## Johnsen Honored

Kjell Johnsen, technical director of ISABELLE, received the 1981 Norsk Data Physics Award for his technological contributions to elementary particle physics.

Johnsen accepted the award of ten thousand Norwegian crowns at the annual meeting of the Norwegian Physical Society in Norway on June 23, where he gave a talk on ISABELLE and its place in the future of physics.

The Norwegian scientist headed the Intersecting Storage Rings project for CERN prior to his arrival at BNL in 1979. Johnsen was named technical director of ISABELLE last October.

## The Inn

(Cont'd)

rate schedule. In accordance with government regulations, rates are reviewed periodically to ensure that charges are commensurate with those of similar lodgings in the community.

The Housing Office is also helpful to those interested in off-site housing. A listing of area housing for sale or for rent is maintained there and includes submissions from non-Lab employees. To see the listings or to obtain the forms to get your property on them, just stop by the Housing Office.

## O'Hare Is Tops

Thomas O'Hare, Associate Chairman of DEE, has been named Executive of the Year by the Queen Anne Chapter of Professional Secretaries International. O'Hare was nominated by his secretary, Pat Towey, and his selection was based on the quality of his professional background, as well as on her recommendation. He received the unanimous vote of the association's Board of Directors. Members of this chapter are affiliated with businesses in western Suffolk County.

## Medical Physics Research Reported At IAEA Meeting

*In vivo* neutron activation analysis of body elements has become an important tool in medical research. The technique is useful in understanding basic physiology and for diagnosing and managing a variety of diseases and disorders.

The first planned study in man which used *in vivo* neutron activation was reported in 1964 by British researchers, who measured sodium and chlorine. Later came measurements of many other body elements. More recently, a number of new *in vivo* techniques have been developed based on such methods as x-ray fluorescence, nuclear resonance scattering, CAT scanning, and others.

For a week last month, June 22 to 26, an advisory group to the International Atomic Energy Agency (IAEA) met at BNL to review the current status of all *in vivo* techniques and to recommend quality assurance procedures. The group also discussed the extent to which these techniques can be recommended for more wide-spread use in IAEA member states, their cost effectiveness, and other requirements that arise in such applications as licensing and technical training.

Stanton Cohn, BNL Medical Department, was the local organizer of this meeting. Other Brookhaven participants were Ken Ellis, David Vartsky, Ashok Vaswani and Lucian Wielopolski. Medical physicists and research clinicians came from other institutions in the U.S., plus centers in Canada, France, Greece, Sweden and the United Kingdom.

Papers were presented on applications of *in vivo* neutron activation analysis and other techniques for human body composition studies, and BNL participants spoke on a number of topics. According to Cohn, Brookhaven has the most sensitive and highly developed systems for measuring *in vivo* calcium, nitrogen and cadmium. The Lab has also pioneered in measuring iron *in vivo* by nuclear resonance scattering.

Over 2,500 patients have been measured *in vivo* for calcium at BNL. These measurements are used primarily in the study of osteoporosis, a disease that affects a large number of post-menopausal women.

Several hundred patients have been measured for nitrogen at Brookhaven, the only place in the U.S. where this is done. Nitrogen measurements provide a qualitative estimate of protein content. One BNL study involved analysis of body composition of nitrogen in 37 cancer patients over a six-month period of time. Total body potassium and total body water were also measured. Using techniques employed in this research, it should be possible to evaluate hyperalimentation programs for cancer patients who lose body weight.

Cadmium deposits chiefly in the liver and kidney, and this internal accumulation is a potentially serious health problem. Some researchers have suggested that cadmium poisoning can cause hypertension and emphysema. Smokers also show higher levels of cadmium than healthy

non-smokers. BNL's cadmium measuring facility is housed in a 34-foot trailer, making it suitable for epidemiological studies or field studies of industrially exposed workers. The trailer has already been to a cadmium smelter in Denver, Colorado.

Recent technological developments have added a new array of exploratory tools for medical researchers. One is nuclear resonance scattering of gamma rays, which was originally used by nuclear physicists. BNL scientists have begun to use nuclear resonance scattering to measure iron in the heart and liver of patients suffering from thalassemia. This blood disease, which usually occurs in young people, is characterized by an overload of iron in the liver and heart. Patients are generally treated with a compound that removes iron from the body. Measurements of iron concentrations can be used to determine if the treatment is working.

A summary report of this workshop, including all papers presented, will be published by IAEA.

## Notice To Visitors

The Public Relations Office has a limited supply of The Long Island Guide available for summer visitors. The Guide is published by Newsday and gives comprehensive information on where to go and what to do on Long Island. For your copy, call ext. 2345.

## ISABELLE: Focus on Physics

When the 1981 ISABELLE Summer Workshop begins on Monday, July 20, over 200 physicists are expected to be on hand for the 11-day study. Co-chairmen of the workshop are Deputy Director Nicholas Samios and Nobel laureate Samuel Ting.

The workshop's primary emphasis will be on the physics opportunities presented by ISABELLE, with a focus on the physics that can be accomplished if the accelerator turns on in 1986 with a luminosity of  $2 \times 10^{31} \text{ cm}^{-2} \text{ s}^{-1}$ , bunched beam operation and an energy of  $350 \times 350 \text{ GeV}$ . To cover these topics thoroughly, the distinguished twelve-member organizing committee has centered the agenda around four main areas of discussion: Physics Opportunities, Mirza Beg (Rockefeller), Val Fitch (Princeton), Alfred Mann (U. of Pennsylvania), Jack Sandweiss (Yale), Sam Treiman (Princeton), and Ling-Lie Chau Wang (BNL); Experimental Areas, Robert Lanou (Brown U.) and Sam Aronson (BNL); Large Detectors, Charles Baltay (Columbia) and Howard Gordon (BNL); and Detector R&D, William Carithers (LBL) and Thomas Ludlam (BNL).

This will be the first ISABELLE workshop since 1978. Neil Baggett, liaison physicist in the Director's Office, explained, "It's important to review our physics goals in today's context of theory and understanding. High energy physics is an ever-changing field and it is always possible that developments could change the physics to be done at ISABELLE."

All those interested are invited to attend the workshop. For further information, contact conference secretary Kit D'Ambrosio, Bldg. 510A, Ext. 3830.

## In Appreciation

I would like to thank all of my son's many friends and coworkers for their kind expressions of sympathy and concern.

— Rose Masciopinto and family

## On The Spot

Myra Aronson, Reporter  
Doug Humphrey, Photographer

**Question:** What is your opinion of Long Island?

**Rose Grandalpa,**  
Secretarial Pool

"For myself I think L.I. is fine, but for younger people who want to settle here, there's not too much opportunity. Jobs are scarce, taxes are high even for me, and it's so hard to buy a house. Stores have become a lot more accessible; you don't have to travel as far to get to a supermarket as you used to. I've had a summer place here for years and I'm hoping to settle here."

**Nicholas Samios,**  
Director's

"I love L.I.'s proximity to N.Y. You can get all the culture you want there. If we could eliminate the cold, bleak, and dreary month of February, I'd say the climate is also very nice. God was right when He made February the shortest month of the year so He didn't have to suffer as much. Twenty years ago it was too quiet with not enough to do, but it's gotten much better."

**Tim Dietz,** Physics

"I haven't been here long enough to find out too much about L.I. I really didn't expect it to be quite as green as it is and I also expected it to be a lot smaller. There's nothing really special here, everything that's here is in Jersey as well. The thing is you have to drive quite a way to go to a movie or something so you're stuck here without a car."

**Adrienne Farrell,**  
Chemistry

"I love L.I.'s beaches because they have the best sand in the world, absolutely the best. It's the only place that offers the bays and the boating we have. The air is clean and fresh and there's no air pollution. It sure beats L.A."

**Meyer Steinberg,**  
DEE

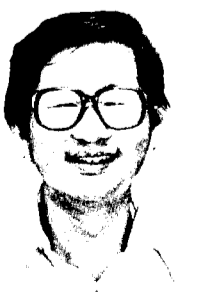
"There's a lot of good on L.I. You've got beaches, you've got seasons, you've got cold weather, you've got warm weather, you've got swimming, you've got tennis.... It's near New York and New York is the cultural center of the world — despite what goes on there. I go to N.Y. every month and see beautiful theatre and opera, but I wouldn't live there because I also like greenery."

**Maria Apelskog,**  
Research Library

"L.I. is better than Brooklyn any day. It's a lot prettier out here and a lot less congested. You don't get mugged as often (maybe every other day instead of every hour). L.I. is building up quite a bit and that's not so bad as long as they leave some trees around."

**S. Chung,** Physics

"When I arrived in 1966 I was a bit shocked. I was at Berkeley in California for five years and when I came here I found people to be a bit aggressive. L.I. is also a transportation dead end. We need some way to get across the Sound, like a bridge or better ferry service. Otherwise it's okay. I must like it or I wouldn't have stayed here."



# BROOKHAVEN BULLETIN

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## Come To The Cabaret!



Doug Humphrey

Janet Sillas will demonstrate her comic talent and singing ability when the Theater Group presents the Fourth Annual Vaudeville Show, on July 17 and 18 at the Brookhaven Center, at 8 p.m. This promises to be the best show ever - some old favorites, some new acts - and lots of fun for a summer evening. Bring the kids, Grandma, the neighbors, and enjoy a summer evening at the Center. Two nights only. Tickets are \$3; \$2 for those under 12, or over 65. For information call Liz Russell, Ext. 3940.

## Tennis Tournament

The Tennis Committee announces that the annual tournament consisting of five events (mixed, m & w singles, m & w doubles) will commence the weekend of July 25. The tournament will take priority over all other play during the weekends of July 25 and August 1. Competitors may sign up at the BERA Sales Office now, until July 17. The draw will be posted by July 20 at the BERA Sales Office and at courtside. Competitors are encouraged to play first-round matches as soon as the draw is posted. The tournament is open to Laboratory employees and spouses, and the entry fee is \$1.50 per person per event, payable at sign-up.

There are openings on the Tennis Committee. BERA members interested in serving on the committee are asked to contact Gail Williams, Ext. 3338, or Georgia Irving, Ext. 3335, before Friday, July 17.

## Motorcycle Club

The day ride to Connecticut last month was so much fun, trip leader Erno Ostheimer has more ideas on where to go next. Northern Connecticut is waiting. Or how about an air show at the Old Rhinebeck Aerodrome in upstate New York?

Come to the club meeting on Monday, July 13, at 5:15 p.m. in the Recreation Building. Let's pick an itinerary and a date.

## PINY Courses

The Department of Nuclear Engineering at the Polytechnic Institute of New York will offer two courses this summer at the Shoreham Nuclear Power Station. These courses, which are open to Brookhaven personnel, are NU 602, Intro. Nuclear Eng. II, 7/21-8/21, Mon., Wed., 6-8 p.m.; and NU 606, Radiation Protection, 7/21-8/21, Tues., Thurs., 6-8 p.m.

Registration will be held at Shoreham on Tuesday, July 14, from 6-7 p.m. For further information call John Lamarsh at (212)643-8184 or (914)834-8576 or Glenn Price, Ext. 3336.

## CHPS Reminder

The deadline for initiating or terminating membership in the Community Health Plan of Suffolk, Inc. (CHPS) is next Friday, July 17. Appropriate forms and applications are available at Personnel Services, Bldg. 185 (Ext. 2877).

## Tax Sheltering Alternative

Until recently, tax sheltered retirement programs, under Section 403 (b) of the Internal Revenue Code, were exclusively the province of insurance companies. TIAA/CREF's Supplemental Retirement Annuity (SRA), under which employees could tax shelter amounts over and above their requirement contribution to the retirement plan, are in this category.

Now, voluntary salary reduction contributions can also be invested in shares of registered investment companies (mutual funds) under custodial accounts. Below are the major features of tax sheltering through a mutual fund offering a 403 (b) plan, and how they may differ from the SRA plan:

- A number of the mutual funds participating in 403 (b) plans have a family of funds, such as money market fund, bond fund, high income fund and high capital appreciation fund. Depending on your investment objective, amounts can be transferred from one fund to another without penalty. SRA plans with TIAA/CREF do not offer this investing flexibility.
- It is our understanding that accumulations under existing SRA's with TIAA/CREF could be transferred to the 403 (b)

mutual fund without tax penalty.

- Withdrawal rights for money invested in mutual funds under tax deferred retirement programs are restricted by IRS regulations. Such funds cannot be withdrawn unless one of the following conditions is met: the participant reaches age 59-1/2, becomes disabled, dies, encounters serious financial hardship, or terminates employment. It is interpreted that financial hardship could be demonstrated by unusual medical expenses, purchase of a home, or sending children to college. Generally, once eligible for withdrawal of funds, amounts may be taken out in a lump sum or in monthly, quarterly, or semi-annual installments. *Withdrawals from SRA investments with TIAA/CREF are not subject to the above restrictions and are cashable upon request.*
- As with SRA, withdrawals are taxed as ordinary income in the year received. Regular five-year income averaging provision may be used if it is beneficial and the participant otherwise qualifies.
- Salary reduction amounts that may be tax sheltered are subject to the same limitations as SRA's.

To determine the extent of employee interest in this alternative, please complete the form below and return to B.J. McAlary, Bldg. 134A.

## Tax Sheltering Alternative

Name \_\_\_\_\_ Dept. \_\_\_\_\_ Ext. \_\_\_\_\_ Life # \_\_\_\_\_

Interested? \_\_\_\_\_ Yes \_\_\_\_\_ No

Send to: B.J. McAlary, Bldg. 134A

## Ten, It Is

The Atmospheric Sciences Division wrestled with a list of 65 entries in the naming of the meteorology tower, and finally gave the choice to Bob Brown, who was responsible for transferring the monitoring operation from the old tower to the new. He selected "Ten" (Tower for Environmental Noting) which was submitted by Lou Stang, Nuclear Energy Dept. Brown said he chose this name because of its ease in computer use and because it followed the previous sequence (Ace, King, etc.). "Nimbus" was a close runnerup, but was rejected because one of its meanings is "rain cloud."

Public Relations tended toward the more literary appellations and liked particularly Nimbus, as well as Ariel and Skywalker. Other names receiving votes in PR were Phonenix, The Informer, Sentinel, Solitaire and Weatherman.

Some entries indicated a play on words: Eyeful Tower, Weathering Heights, and (The Towering) Informer. One person wanted to call it, simply, Fred.

## Afro-American Club

All BNL employees are invited to attend a meeting of the Afro-American Culture Club on Tuesday, July 14 at noon in Berkner Hall, Room C. We will discuss the Soul Food Family Picnic planned for August.

At the last meeting the following officers were designated: Dwight Brown (Chairperson), Ed Taylor (Co-chairperson), McHarrell Thomas (Treasurer), Sandra Green (Recording Secretary), and April Donegain (Correspondence Secretary). Christine Moore is Chairperson of the Activity Selection Committee.

## Cricket Club

The Brookhaven International Cricket Club hosted the British Veterans C.C. from Oyster Bay on June 28. The Lab team went into bat first and, at the end of the allotted 35 overs, had scored 110 runs. Clem Auguste was high scorer with 25 not out, before being forced to retire into the shade after overheating in the 90 degree temperature on the field. When Oyster Bay went into bat, John Millener bowled steadily for ten overs for only 17 runs, but the other Brookhaven bowlers were no match for opening bat Alvin Barnett, who scored a quick 64 runs, the highest individual score yet recorded at the Lab field. Oyster Bay finally won with the loss of only two wickets.

## Sunday Tours

The first of 8 Sunday tours of the Laboratory will be given on July 12 between 10 a.m. and 3 p.m. Visitors will be taken on a guided tour of the Lab's site, a highlight of which will be a stop at the ISABELLE construction area. Visitors may spend as much time as they wish at the Exhibit Center where they may view displays and demonstrations of the Laboratory's many-faceted research. Souvenirs may be purchased at the Science Store. At Berkner Hall, tourists will be shown a film on the construction of the Brookhaven House and Brookhaven's multi-media slide show, Quest.

## Cafeteria Menu

### Week Ending July 17, 1981

<b>Monday, July 13</b>	
Cream of tomato soup	(cup) .55
	(bowl) .65
Corned beef & cabbage	1.60
Shrimp Sukiyaki over rice	1.65
Hot Deli: Veal pattie & pepper hero	1.60
<b>Tuesday, July 14</b>	
Cream of split pea soup	(cup) .55
	(bowl) .65
Roasted top round of beef & 1 veg.	1.65
Beef hash & 1 veg.	1.55
Hot Deli: Clam boat	1.70
<b>Wednesday, July 15</b>	
Hot borscht soup	(cup) .55
	(bowl) .65
Turkey Tetrazzini	1.60
Chinese pepper steak on rice	1.65
Hot Deli: Roast beef	(on bread) 1.65
	(on roll) 1.75
<b>Thursday, July 16</b>	
Beef barley soup	(cup) .55
	(bowl) .65
Meat cakes & onions w/1 veg.	1.60
Barbecued chicken & 1 veg.	1.55
Hot Deli: Monte Cristo	1.70
<b>Friday, July 17</b>	
Clam & celery bisque	(cup) .60
	(bowl) .70
Meatloaf & 1 veg.	1.55
Stuffed flounder & 1 veg.	1.55
Hot Deli: Chili dog	1.60

## Arrivals & Departures

### Arrivals

Joseph M. Hendrie ..... Director's Ofc.  
Andrew W. Moran ..... S&E Prot.  
Brian W. Williams ..... Chemistry  
Ihor Zubal ..... Medical

### Departures

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

John L. Batdorf ..... S&E Prot.  
Louis F. Both ..... Accel.  
James D. Cassidy ..... Accel.  
Alina R. Commerford ..... Medical  
Gregory M. Gowdy ..... Physics  
Theodore M. Hilgemeier ..... Accel.  
Charles H. Horn ..... Central Shops  
Melody D. Howard-Mix ..... Physics  
Owen C. Jones, Jr. .... N. Energy  
Walter S. Lundgren ..... Accel.  
Beverly J. Nine ..... N. Energy  
Peter Paige ..... Personnel  
Joseph R. Preisig ..... S&E Prot.  
Loretta E. Reddick ..... S&E Prot.  
Roger S. Rittmaster ..... Medical  
Reese D. Thomas ..... Accel.  
Mary R. Trovato ..... N. Energy  
John C. Valek ..... Accel.  
Tung S. Wang ..... Applied Math.  
Wing T. Wong ..... Energy & Env.

## Softball

### League I

Ravens 21 — Phoubars 16  
Blue Jays 9 — Six Pax 4

### League II

Roga 13 — Cardinals 4  
Moles 13 — AMD Bombers 12  
Deegenerates 9 — Big Sticks 3

### League III

Binary Bombers 15 — Lights Out 14  
Electric Company 13 — Nuke Powers 8  
Magnuts 14 — Dirty Sox 3  
Ice Pops (won) — Medical (lost)  
The Forties - bye

### Leagues IV and V

All games for Monday and Thursday postponed due to rain.

