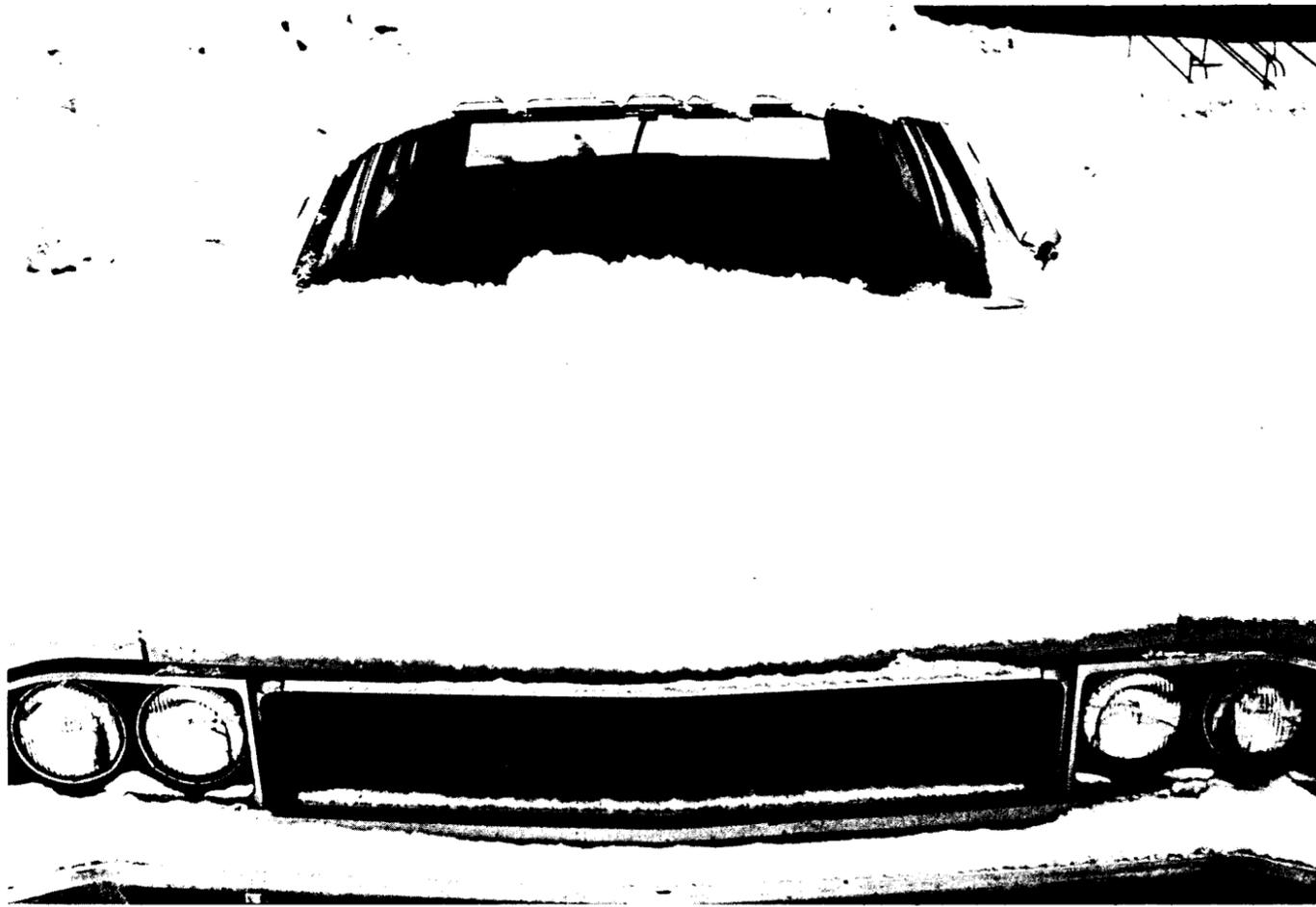


And More To Come



A modern "Abominable Snowman" - getting to be an all too familiar sight in these parts.

Patent Awarded For Brookhaven Solid Lithium Blanket Concept

A patent was recently issued to Warren E. Winsche, Associate Director for Energy, and Francis T. Miles and James R. Powell, DAS, for their development of the solid lithium blanket concept for future fusion reactors.

Prior to their solid blanket concept, fusion reactors were thought to require either a liquid lithium metal or liquid lithium salt blanket. This posed a number of potentially serious problems. Pumping liquid lithium through the high magnetic field of the reactor would require very high pressures and would severely limit the power density in the blanket. The blanket structure could be corroded by liquid lithium metal or salts, and the blanket structure in a liquid lithium blanket could experience high stresses due to electromagnetic forces resulting from pulsed magnetic fields. Tritium extraction from the liquid lithium would be difficult and the tritium blanket inventory would be very high.

Solid lithium blankets can bypass these problems. Corrosion and magnetic field effects can be eliminated, tritium extraction is easy, and tritium blanket inventories can be very low. Experiments by Richard Wiswall and Ed Wirsing of DAS on a variety of solid lithium compounds have shown that the holdup times of tritium (bred by neutron reactions with lithium) in the compounds are generally only a few minutes. The corresponding tritium blanket inventory in a fusion reactor using solid lithium compounds would be several orders of magnitude lower than if liquid lithium metal or salts were used.

A number of promising solid lithium compounds have been characterized as to high temperature behavior and tritium extraction rate. These include: LiAlO_2 (m.p. 1900°C), Li_2O (m.p. 1200°C); Li_2SiO_3 (m.p. 1200°C) and Li_7Pb_2 (m.p. 720°C). The solid lithium compound can be placed in the blanket either to let the bred tritium escape directly into the plasma exhaust, or to let it enter a He coolant stream in the blanket, from which it can be trapped out.

An additional advantage of solid lithium blankets is that the elimination of corrosion problems now allows the use of materials in the blanket which have almost zero residual radioactivity, such as Al, Mg, Si, and C, so that fusion reactors can potentially be many orders of magnitude cleaner than fission reactors.



Patentees Winsche, Miles and Powell in a DAS chemistry lab where they got some of their basic data.

If we do it right, we can make it

"With conservation and research and development of new energy systems, the country can accommodate to energy shortages over the long term, with a minimum impact on jobs and gross national product, if we do it right," says Ken Hoffman, head of Brookhaven's National Center for the Analysis of Energy Systems.

The Center reached its first birthday this month and Hoffman was commenting on energy forecasts and technology assessments performed in the Center over the past year.

A unique blend of scientists, engineers, physicians, economists, ecologists and mathematicians has been working on a broad range of studies to assist ERDA in the planning and execution of an energy program for the nation.

Their studies reflect the interdisciplinary nature of the staff and the importance of relating economics, technology, and social and environmental factors in order to formulate a successful energy plan. "All of these factors must be considered and it is dangerous to ignore their interrelationships in formulating policy," says Hoffman.

The Center works on regional, national and international assessments and has produced some interesting work in its short span. Some highlights:

Conservation in Northeast

In a study of energy use in the northeast by the Center's Policy Analysis Division, conservation was clearly identified as the most important initiative for this area. Lack of natural resources and large oil imports are the reasons why. By conservation they don't mean just turning down the thermostat to 65°F . For instance, tighter standards in the design of buildings and the labeling of appliances as to energy efficiency would go a long way in the conservation of energy, they say. The Division has also opened up contacts with the state energy offices to keep energy information flowing.

Energy Atlas

A singular "atlas" which is expected to be a particularly useful document, has been produced by the Biomedical and Environmental Assessment Division. It contains data on energy use and environmental effects for every county of the United States.

This group is also completing an assessment of health effects of fuel cycles for al-

ternative electric generating plants. On their calendar this year, is the evaluation for ERDA of environmental standards and how they relate to present and developing technologies.

Other Applications

The Technology Assessment Group is engaged in examining the role of changing technologies not only in energy systems, but also in the supply of materials and food. For example, in comparing the amount of energy consumed to produce one pound of fiber from cotton, or from petroleum or cellulose based products, cotton came out the winner. Cotton consumes about 3.3 kilowatt hours of energy to produce one pound of fiber, where the others use from 16-20 kilowatt hours. "One of the best ways to use solar energy may be to use natural materials that are grown with sunlight and reduce our use of plastics which must be made from oil," says Hoffman.

An important aspect of the studies performed in the Center is the use of a unique set of data and models describing the energy system that has been developed by the Energy Data and Models Group.

Coming Up

During 1977, the Center will continue the development of energy-economic forecasts for ERDA. The staff also plans to study decentralized power systems. A major factor in this study is the progress in research on the fuel cell which is being actively pursued for electricity generation and automotive applications.

In cooperation with other laboratories, the Center is now at work on an assessment of coal technology throughout the United States.

End Use Technology

In 1977, the Economic Analysis Division will increase the energy demand and end use of technology detail in the analytical models to support the development of the conservation policies that are critical to achieving greater energy self-sufficiency.

End use technology refers to houses, cars, refrigerators and hundreds of other consumer goods that use energy to deliver services to people. The conservation opportunities differ greatly among different end uses.

For instance, the options for conserving

energy are different in a building constructed of brick and cement block, than in a frame building. The thermal characteristics of a brick or block building can be exploited, for example, by insulating on the outside, not on the inside. When heated, say, through solar collectors during the day, the walls hold the heat and give it up to the interior of the building during the night. Such a storage capability system would not be present in frame houses. The staff of the Energy Storage and Conversion Division proposes to develop such options for introduction into the building industry and marketplace.

Advisory Committee

The interdisciplinary nature of the Center is also mirrored in its Advisory Committee. The six-member Committee met at the Laboratory recently to review the first year's work of the Center, and to give guidance for future research. The members include: Harold Chestnut, General Electric Co.; Rene Males, Electric Power Research Institute; Laurence I. Moss, Consultant and Chairman of the FEA Environmental Advisory Committee; Tjalling Koopmans, Cowles Foundation for Research in Economics, Yale University; John H. Gibbons, University of Tennessee Environment Center; and Walter Isard, Regional Science Department, University of Pennsylvania.

Emergency Closings

Here is the list of radio stations that carry news of closing or late opening of the Lab on snowy days:

Station	Area	AM	FM
WALK	Patchogue	1370	97.5
WBAB	Babylon	1440	102.3
WGLI	Babylon	1290	—
WGSM	Huntington	740	—
WHLI	Hempstead	1100	98.3
WHRF	Riverhead	1570	—
WLIX	Islip	540	—
WLNG	Sag Harbor	1600	—
WRIV	Riverhead	1390	—
WWRJ	Southampton	—	95.3
WBLI	Patchogue	—	106.1
WRCM	Riverhead	—	103.9

New Command Post For DAS



The administrative arm of DAS has moved from its old quarters in Bldg. 197 to a renovated wing of Bldg. 179A, 2 Center St. At the end of the suite of offices is the conference room, or the "cathedral" as it has been dubbed. Making the move with DAS Chairman Joseph Hendrie, were Gwen Bergin, Gene Fales, Pat Fox, Larry Fuller, Kathy Morrell, Betty Pergan, Joan Redzinak, Don Robbins, Lin Schlyer, John Spraggins, Tina Tavano and Mary Zizza.

Hospitality News

A morning coffee will be held Tuesday, February 8, from 9:30 to 11:30 a.m., at the Brookhaven Center. "Bicycling through Europe" will be the theme of this coffee. Slides and a discussion of a two-month bicycle trip will be presented by Mona Rowe.

Please come and bring the children. Babysitting will be provided at no charge. It is suggested that you bring along a toy or two for your children to play with.

Cooking Exchange

Did you miss Jackie Newman's Chinese demonstration? Well, come console yourself with our next meeting - German cooking. Even if you don't know your schnitzel from your strudel and gesundheit sounds like achtung, you'll love tasting the dumplings, and Black Forest Torte is not to be missed!

We'll see you all on Wednesday, February 9, at 12:30 p.m. in the Recreation Building. Bring yourselves, your friends and your kinder - we provide the sitters. Come taste the delights of Germany!

Stony Brook Events

Science & Medicine Lecture Series - First lecture, February 2, 7:30 p.m., East Islip Public Library, Prof. Charles E. Rosenberg of the University of Pennsylvania will speak on "Psychiatry: Profession or Problem?" Talk will highlight the present status of psychiatry in light of social and historical trends. The series offers an opportunity for community residents to discuss scientific or medical issues with experts in the informal setting of library meeting rooms. For further information contact Dr. Dallery 246-6564.

Register To Audit Classes - Community residents, 60 years of age or older, can register to audit, without charge, undergraduate and graduate courses. Registration period: Monday, February 7, 10:00 a.m. - 4:00 p.m., Room 110, Humanities Bldg. Prior college experience not required.

French Film Series - Thursday evenings, 7:00 p.m., Union Auditorium, beginning February 10, L'Enfant Sauvage; February 17, Les Quatre Cents Coups; February 24, Les Jeux Interdits; March 3, La Grande Illusion; March 9, Le Bonheur; March 17, Jules et Jim; March 31, La Belle et la Bête.

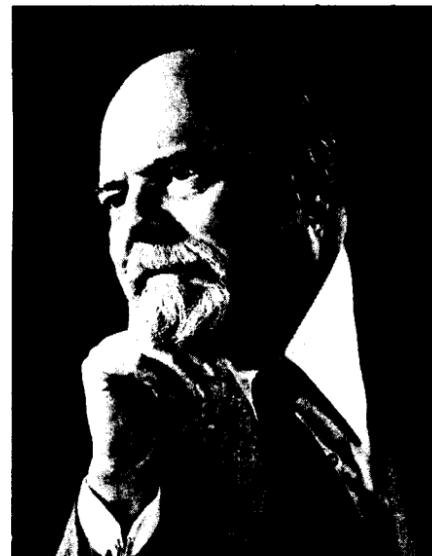
United Way Pledges Up

Barney McAlary, United Way chairman, reports that \$32,500 has been pledged in this year's drive to help 97 local organizations. This represents a big improvement over the pledges of the last two years:

Department	Contributors		
	1975	1976	1977
Accelerator	17	39	62
Applied Mathematics	4	9	15
Dept. of App. Science	28	61	97
Biology Department	6	14	15
Chemistry Department	7	18	19
Director's Office	5	11	29
Plant Engineering	5	22	44
Fiscal Division	1	4	7
Health, Phys. & Saf.	4	9	24
Tech. Information Div.	1	2	4
Instrumentation Div.	2	6	9
Medical Department	18	36	48
Personnel Division	3	4	12
Photog. & Grap. Arts	1	2	5
Physics Department	19	32	53
Purchasing Department	2	5	10
Reactor Division	1	5	14
Central Shops	2	8	17
Sup. & Materiel Div.	0	1	7
Staff Services Division	6	9	14
Associated Univ., Inc.	0	6	7
Administrative Data Proc.	1	2	4
	133	305	516
Total Dollars Contrib.	11,500	21,500	32,500

"The overall percentage of participation increased from 11% last year to 17.7% this year," said McAlary. "On behalf of all BNL's United Way campaign workers, I want to express our gratitude for the generosity of Laboratory employees."

First 1977 Retirees



Thomas W. Brown



Arthur E. Nelsen

— photos by Rosen

Thomas W. Brown is a Mechanical Engineer in the Physics Department. He began working at the Laboratory on April 12, 1965 and will retire on January 31, 1977.

Arthur E. Nelsen began working at the Laboratory on January 10, 1966. He is a Stores Clerk in Supply and Materiel and will retire on January 29, 1977.

Arrivals & Departures

- Arrivals**
- Barbara N. Lade Biology
 - Henry Lewis Plant Engrg.
 - Terry Owens Plant Engrg.
 - Joseph E. Rabinowitz App. Science
- Departures**
- Carol L. Cassidy Ph. & Gr. Arts
 - Barbara L. La Vallee.....Adm. Sys. & Data Proc.
 - Arthur L. Lipman, Jr. Chemistry

Attention Aliens

Each year immigrant and non-immigrant aliens who are in the United States on January 1, must report their addresses to the U.S. Immigration and Naturalization Service during the month of January. This regulation applies even though there has been no change of address.

Any alien who is temporarily absent from the country must report his address within ten days after his return to the United States.

The parent or legal guardian of alien children under fourteen years of age must report for these children.

Alien address report forms are available from any U.S. Post Office. When completed the card should be stamped and mailed to the address indicated.

EMERGENCIES

**Police - Medical 2222
Fire - Radiation**

**Weather Wrap Up
December**

The mean or average temperature last month was 26.5 degrees. Since 1949 only two other Decembers at the Lab have been colder. December of 1955 had an average temperature of 24.7 degrees and in December of 1957 the mean was 24.3 degrees.

The coldest day of the month in December was -0.5 degrees. This was not an exceptionally low temperature. In December of 1950, the coldest day was -14°. Since 1949, temperatures have dipped to 0 or below in ten Decembers.

Snowfall was not unusual last month. Only 9.10 inches fell. In 1948, 23 inches were recorded during the month of December. The average for the month is a bit under 7 inches.

Precipitation for December 1976 was far below average. Only 2.96 inches fell here at the Lab. The average for the month is about 5 inches. Since 1949, the lowest precipitation measured during the month of December was 0.82" in 1955.

Selected Reading

- Smithsonian 7, December 1976
- The Army Corps of Engineers secures allies and acquires enemies - but dig they must. D. Moser. 40-51
- Nature 265, January 6, 1977
- Articulating the aims of science. N. Maxwell. 2
- What sort of turning point? V. Rich. 5-6
- Science 195, January 14, 1977
- Oil spills. P.H. Abelson. 137
- Engineering and society programs in engineering education. W.R. Yynn. 150-5
- Sat. Rev. January 22, 1977
- Nuclear energy: Paradise deferred.
- Gloom on the Monongahela. T. Stevenson. 6-10+
- Massing at the grass roots. R.M. Williams. 14+
- Paralysis on the Potomac. J.C. Sawhill. 19-20
- "Made in Japan." D. Kirk. 24
- The promise and the curse. T.C. Schelling. 26-30
- Giscard's quandary. R. Chelminski. 28-9
- Battle of the books. W. Likely. 31

Cafeteria Menu

Week Ending February 4, 1977

- Monday, January 31**
- Cream of Mushroom Soup
- Chicken a la King & Rice 1.10
- Cheese Omelet & 1 veg. 1.00
- Tuesday, February 1**
- French Onion Soup
- Chinese Pepper Steak & Rice 1.25
- Roast Fresh Ham & 1 veg. 1.30
- Wednesday, February 2**
- Split Pea Soup
- Flounder Stuffed w/Crabmeat & fr. fr. 1.15
- Special**
- Spaghetti & Meat Sauce & Garlic Bread
- All you can eat \$1.10 plus tax
- Thursday, February 3**
- Cream of Chicken Soup
- Beef Hash & 1 veg. 1.15
- Veal Pattie Parmigiana & 1 veg. 1.20
- Friday, February 4**
- Manhattan Clam Chowder
- Broiled Filet & 1 veg. 1.15
- Meat Loaf & 1 veg. 1.15

Mountain Club

Eleven people made the trek across the frozen Great South Bay from Bellport Dock to Fire Island on Sunday, January 16. It was snowing and fortunately someone had brought along a compass as visibility was less than a mile.

We picnicked at Old Inlet before heading back. No one went swimming.

There will be a meeting on Thursday, February 3, at 7:30 p.m. at the Rec Hall in the Apartment Area. We plan to do some cross country skiing here at the Lab on Saturday, February 12. Skis, boots and poles can be rented for \$5.50 for the day.

Anyone interested in going should attend the meeting or contact Don David or Peter Tuhy.

Refreshments will be served and Peter Tuhy will show slides of his backpacking trip through the Wyoming Rockies last summer. Everyone is welcome.

BROOKHAVEN BULLETIN

Published weekly for the employees of BROOKHAVEN NATIONAL LABORATORY

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Rambling Around

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

The following communication to the *Bulletin* from an employee brings up a problem that is not only creating bad air, but bad feelings in many offices where smokers and nonsmokers are working together:

"I believe something called Smoking Awareness Day is coming up and it would seem appropriate if the *Bulletin* could publicize this. Perhaps all smokers could be requested to smoke only in designated areas and give the nonsmokers a break. I know that any secretary would appreciate this especially if she is surrounded with cigar smokers.

"The smokers are really very touchy about this now and do not realize how inconsiderate they are. I certainly don't want to make enemies in my office but the polluted air that I breathe all day is not pleasant.

"I stopped smoking over ten years ago and it was a struggle of several years before I really felt I had conquered the habit. I feel the articles in the *Reader's Digest* definitely helped me as I wanted to stop and would read anything that would convince me that I should.

"Particularly important I think are some of the details of the problems a smoker will have with lung cancer and throat cancer and the type of operations and suffering that can occur. I know personally several friends that have experienced the devastating effects of heavy smoking. A *Reader's Digest* article many years ago describing patients in a hospital recuperating from surgery as a result of years of heavy smoking is still in my mind.

"Of course, a lot of smokers won't read or heed anything about giving up smoking. But, if they don't care for their health they should at least realize that they are extremely offensive to the majority of people. They smell and the air around them smells."

The *Bulletin* would like to hear from other employees as to possible resolutions to this problem, keeping in mind that nonsmokers should not be subjected to objectionable air, and that most hard-core smokers probably will not stop.

* * *

The way the winter is developing, it looks as if snow-shoveling will be a major after-work activity for many employees. Just don't be too gung-ho about it. Snow shoveling is a major cause of winter heart attacks and the American Heart Association has a few suggestions for snow-shovelers:

- Don't do it at all if you have any history of heart trouble.
- Don't eat a heavy meal, drink more than one cup of tea or coffee, or smoke cigarettes before tackling the sidewalk. If you plan to go out after breakfast, for instance, eat only a hot cereal and forget the bacon and eggs.
- To get the blood flowing, do some simple limbering-up exercises before going out.
- Wear layers of light clothing, a hat that covers the ears and warm flexible gloves or mittens.
- Take it slow and easy and don't try to handle a full shovel.
- Breathe through the nose and, if this gives you trouble, stop and rest.
- Once you get going, open your coat collar to avoid overheating.
- If the temperature is down to about ten degrees, and the wind chill factor high, postpone the shoveling until it warms up.

In Rehearsal - "A Man For All Seasons"



From left, Tony Fainberg (Sir Thomas More), Kurt Fuchel (Eustace Chapuis), Jane Love (Lady Alice More) and Denise Dew-Hughes (Lady Margaret More).

Good Serious Drama

How does one write about a play so that a reader decides he wants to see a performance? That, after all, is the reason these articles are written. For light comedies such as "Charley Brown" and "Luv," the writing is light and humorous. "The Devil's Disciple," a good drama, was a Bicentennial production and there we could appeal to your patriotism - every red blooded American would support that production.

But what do we do with a play about Henry VIII and his chief minister, Sir Thomas More?

"He was the person of the greatest virtue these lands every produced."
- Samuel Johnson

He, of course, is Thomas More and he loses his head because he couldn't put his hand on an old black book and tell an ordinary lie.

Perhaps, all histories should be written by playwrights. Richard Bolt's "A Man For All Seasons" is no textbook writing. Here Cromwell, Wolsey, Norfolk, Alice, and Margaret, wife and daughter are alive with humor, guile, forthrightness, cunning and charm.

This production, one of the most ambitious in recent years, has a cast of ten men and three women with Tony Fainberg in the role of Sir Thomas More and Ray



Richard Perry will portray the Duke of Norfolk and Jane Love, Lady Alice More.

Reuger of Bellport as King Henry VIII.

The play will be performed at Stage II on February 11-12 and 18-19 at 8:00 p.m. Admission is \$3.00 - a special price of \$2.00 for students and persons over 65.

Sports News

Basketball

The first game of the double-header on January 14 saw the Browns outscore the Persuaders 99 to 88. Leading the Browns' attack were Willis Smith (30 points), L³ (24 points) and "The Moose" (28 points). For the losers Fletcher Johnson hit for 22 points and John Milner had a good night with 21 points. Dr. K. operated for 18 points.

In the second game the Dribbles surprised the Spuds 86 to 78. The winners were greatly helped by the newly acquired Wayne Smith who scored 23 points. Jeff Gaffney scored 24 points. The losers had Bob Doty (22 points), Stanley Gilbert (23 points) and Mike Dagg (18 points) as their high scorers.

The first game of the double-header on January 21 saw the Spuds jump to a 20 point lead in the first quarter over the Persuaders. Although the Persuaders were at first disorganized they fought back but in vain and were defeated 85 to 74. Fletcher Johnson led the losers with 20 points. Mike Dagg was leading scorer for the winners with 24 points.

The second game saw the Browns against the Dribbles. The Browns, who led all the way by around 10 points, had their lead shaved to 3 after they lost their most important offensive weapon, The Moose, when he fouled out with two minutes to go. However, they held on to their lead to win it 114 to 111 in a wildly offensive contest. The Browns were led in scoring by The Moose (37 points) L³ (21 points) and Willis Smith (22 points). Jerry Hobson played a gallant and gutsy game despite a severe headache and a very sore ankle and contributed 22 points. The Dribbles had

good performances from Jeff Gaffney (33 points), Wayne Smith (33 points) and Jim Vaughn (26 points).

At the end of the first half the standings were:

	Won	Lost
Spuds	6	2
Browns	5	3
Dribbles	3	5
Persuaders	2	6

Scorers of the Century

Player	Team	Gms.	Pts.	Pts./Gm.
Moose	Browns	7	242	34.6
Doty	Spuds	8	191	23.9
Gilbert	Spuds	8	191	23.9
Gaffney	Dribbles	7	190	23.8
Hobson	Browns	5	150	30.0
Vaughn	Dribbles	8	133	16.6
Johnson, F.	Persuaders	5	124	24.8
Sapienza	Spuds	8	120	15.0
Smith, Willis	Browns	6	112	18.7
Smith, Wayne	Dribbles	5	111	22.2
Johnson, B.	Dribbles	7	105	15.0
Nordstrom	Dribbles	5	102	20.4

Bowling

L.I. Bowlers Benefit Tournament

The 24th Annual Long Island Bowlers Benefit Tournament will be held during the week of January 31st through February 6th. This is a united effort on the part of all interested in the game of bowling, to contribute to the aged, the unfortunate children and hospitalized veterans in Nassau and Suffolk Counties.

Each year this tournament runs for one week. The entry fee is only one dollar. Your league scores on your home lanes, together with 100% handicap will determine the tournament winners. No extra bowling, no extra time. It is possible for everyone, regardless of his or her average to participate.

Contact your league secretary for an entry form.

Pink League

Recap for 1/11/77: The Pinsplitters are the winners of the first half. High games for the night were K. Hunt 194/512 scratch, C. Beckner 171, M. Stoeckel 170/160, A. Glynn 168, D. Pion 167, D. Marelli 166/150.

1/18/77: The Gutter Getters are off to a good start in the second half taking all seven from the Odd Balls. High games for the night were H. Keeley 168, F. Brown 164, C. Beckner 163/153, D. Marelli 159, L. Boyd 156/154.

Red League

The Old Timers, Designers and Sandbaggers all captured 11 points to start the second half. The Freon Loaders won 8 and knocked down 3009 pins. F. Stahman (206) had 575 scratch pins and G. Schuette bowled a 200.

For the Designers, E. Sperry had a 217, M. Bull a 210, and J. Ferrero a 208.

For the Old Timers, W. Reams had a 214/567 scratch.

N. Fewell had a 671 gross series for the Cosmos, just missing a club award.

R. Larsen bowled a 228 for the 76'ers and teammate J. Scesny a 203.

Black and Blue League

The second half is now under way with three teams taking eleven points to start off; Power Meds, Pinsplitters and Welp. High games were Lew Jacobson 207, Ed Sperry 203, Ellie Kristiansen 181/177 and Ellen Jacobson 175. High gross pots were won by Ellen and Lew Jacobson 237 and 235.

Green League

The start of the second half finds new team up in the top berths. The Charlie Browns took eleven points from the Trouble Shooters. For the Charlie Browns, J. Scott had a 212 while for the losers, A. White a 243. The Super Cools rocked the Got-A-Hit-Ums for eleven. For the Super Cools, P. Vail had a 201 and B. Belligan a nifty 244. The Blue Jays squeezed eight from the Sparks with M. Iarocci having a 205 and for the losers, G. Spira a 202. The Pinball Wizards took eight from the Pick-Ups.

Purple & White League

The standings at the end of the first half are: The Good Guys, Plutoniums, Alley Oops, Sea Gulls, Lucky Strikes, Woodchucks, Pin Pickers, Odd Balls, Brown Bull, Penthos, Flounders, Upton-Downers. Dick Murgatroyd was high for the men with a 205. For the women, Carolyn Eterno bowled 187 and Polly Fuchs 181.

Volleyball

Phoenix moved into 1st place in the League on January 19, when they defeated the Spikers in a three-game sweep (21-17, 21-11, 21-11).

Moving into 2nd place were the Cool Tools also with a three-game sweep over the Atom Spikers (21-12, 21-17, 21-5).

The Circuits forfeited to the Road Runners.

The standings with only one week to go in the 1st half of the season are:

	Won	Lost	Pct.
Phoenix	13	2	.866
Cool Tools	12	3	.800
Spikers	10	5	.666
Atom Spikers	9	9	.500
Road Runners	7	8	.462
Chemistry	2	13	.134
Circuits	1	14	.067

In the concluding week of play, Phoenix faces the Road Runners, the Cool Tools play Chemistry, and the Spikers take the court against Chemistry. All of the top three teams are in the running for the 1st half championship.

Ping Pong Anyone?

People interested in ping pong as an organized activity with possible tournament play, should contact Tom Johnson or Jerry Levine on extension 4212. Provide your name, Lab address, phone extension and particular interest.

If there is sufficient response, we will call a preliminary organizational meeting.

