

Getting Down To Basics

"Hard Core Porphyrinography" will be the subject of the 134th BNL Lecture by Jack Fajer, Department of Applied Science, on March 24, at 8:00 p.m. in Berkner Hall.

For the last few years, Fajer's research has been directed at the function of porphyrin radicals in bioenergetics. Porphyrins are organometallic compounds which play crucial roles in biochemical energy conversion steps. Chlorophyll in photosynthesis, hemoglobin in respiration, vitamin B₁₂, cytochromes in metabolism are all porphyrin derivatives whose properties nature has altered by relatively simple changes in the structure of the molecule. The porphyrins function as catalysts in these reactions, that is, they are not consumed by the energy producing process in which they participate.

Hard core porphyrinography, the work which will be described, represents a multi-disciplinary program which has involved systematic attacks on the molecules from many angles and with many variations (often without sophistication) by synthetic, structural, theoretical and physical chemistry. It encompasses the electronic structure and chemical properties of porphyrins and their radicals, and the biological role of



Jack Fajer

porphyrin ions in photosynthetic and metabolic reactions.

The methods used for studying these reactions, which occur by the gain and loss of electrons (oxidation and reduction), include several spectroscopic techniques such as optical absorption, electron spin resonance, nuclear magnetic resonance and electron nuclear double resonance.

The reactions are induced chemically, photochemically and electrochemically, and the chemistry is guided by theoretical calculations used to predict the properties of simple, synthetic porphyrin systems. These, in turn, help establish the role of natural porphyrins in biochemical catalysis.

As an example of the usefulness of this approach, the initial stages of bacterial photosynthesis have recently been proposed to occur via porphyrin radicals, which last for as long as a month when isolated in the laboratory. The biological event occurs in less than ten picoseconds (a picosecond is a millionth of a millionth of a second).

The purpose of this research is to lay the basic chemical foundations required to understand bioenergetics on the molecular level. This information should ultimately lead to artificial energy systems, modeled on biological functions but which short-circuit the unwanted, non-energetic side reactions of living systems.

After receiving his Ph.D. in physical chemistry from Brandeis University in 1962, Fajer joined the Laboratory as a Research Associate in DAS (then the Nuclear Engineering Department). He was appointed to the scientific staff of that department in 1964. Fajer is a Chemist in the Division of Molecular Sciences, and before

(Continued on page 2)



James R. Sanford

Sanford Appointed Associate Director

Laboratory Director George Vineyard has announced the appointment of Dr. James R. Sanford as Associate Director for the ISABELLE project. He will have responsibility for all aspects of the project, including the work of the ISA Division in the Accelerator Department, headed by Harald Hahn, and liaison with the University user community and ERDA. Sanford is expected to take up the post in May.

Dr. Vineyard said today that "we are most fortunate in having Jim Sanford return to Brookhaven in this important new post. He is widely respected in the high energy physics community and possesses a unique ability to organize and manage large and complex team efforts."

Sanford is currently Associate Director of Fermi National Accelerator Laboratory in charge of the experimental program. Before joining FermiLab in 1969, he was a physicist at Brookhaven and head of the Experimental Planning and Support Division in the Accelerator Department, where he was responsible for planning and scheduling the research program at the AGS.

He was appointed to the scientific staff of Brookhaven in 1962 after a year as a Research Associate at Yale. He received his Ph.D. in physics from Yale in 1961 and his M.S. from the same university in 1957. Sanford's undergraduate work was done at Oberlin College.

He is a member of the American Physical Society, the American Association for the Advancement of Science, and Sigma Xi.

Sanford, his wife Mary, and two daughters, Susan and Elizabeth, formerly lived in Bellport and are well known in that community.

Fuel Shipments



Congressman Christopher J. Dodd (D-Conn.) 2nd Congressional District, center, visited the Laboratory March 8 to see at first hand procedures for handling spent fuel elements from the High Flux Beam Reactor. Accompanied by Laboratory and ERDA officials, he examined the cask containing the spent fuel elements which are to be shipped via ferry from Orient Point to New London, Connecticut on March 15, en route to a reprocessing plant in South Carolina. This route has been selected because of the New York City ban on shipping spent fuel elements through the city. Also included in the party (not shown here) were Conn. State Commissioner Lynn A. Brooks, Department of Planning and Energy Policy; Francis Driscoll, City Manager of New London; television crews from Channels 3 and 8 and members of the press. A complete story on the fuel shipment is expected to be in next week's *Bulletin*.

Information, Please

First established in 1946 to do "basic research on the peaceful uses of atomic energy," Brookhaven has long been known as an "A-Lab" and is renowned for its research on high energy physics and the life sciences. In the past several years, the Laboratory has expanded the study of various aspects of energy-sources, utilization and environmental effects, and may now properly be nicknamed an "E-Lab."

With the increasing emphasis on energy systems, as well as the exciting and fundamental discovery of the "J" particle, Brookhaven's research programs have stimulated the interest of legislators and the public and have been receiving greater coverage in the press.

This increased public awareness has led to an expanded effort on the part of the Public Relations Office to satisfy public interest and to carry Brookhaven's message further afield.

Because of the success of last year's Open House, the event will be repeated again in May. In addition, an Energy Fair directed to general audiences is being organized to provide an opportunity for the exchange of information between the public and private sectors with emphasis on conservation. The establishment of Saturday Tours and the transformation of the Brookhaven Graphite Research Reactor into an Exhibition Hall are all part of the public relations effort.

The nucleus of this effort is the Public Relations Office, which acts as liaison between the Laboratory and individuals and organizations which express interest in and require information on the research here. The PR Office must answer countless inquiries ranging from school children who need help on their science projects, to inquiries from legislators and the press. Press releases, the *Brookhaven Bulletin*, booklets and literature pertaining to upcoming public events are all generated from this office.

Assistant Director R. Christian Anderson has overall responsibility for Public Relations. As Public Relations Officer, Carl Thien directly supervises the activities of that office and is one of the Laboratory's "spokesmen" when dealing with the press, radio, TV and other organizations. Co-producer of *Brookhaven's Quest* he is in charge of all audio-visual production. He oversees the work on press releases, brochures, exhibits and other literature produced for the public.

As Public Relations Assistant, Beverly Goldstein is principally concerned with writing booklets and brochures and is presently immersed in preparations for Open



Carl Thien



R. Christian Anderson



Beverly Goldstein



Bernice Petersen



Virginia Sayre



Carol Goldstein



Dorothy Schroeder



Mary Patton

House and the organization of the Energy Fair. She assists Thien in dealing with the press.

Bernice Petersen is Editor of the *Brookhaven Bulletin* and is responsible for the content and layout of the weekly publication. Employees should contact her when they have ideas for stories on people and projects in their departments.

Carol Goldstein is responsible for the classified section and copy preparation for the *Bulletin*. She also acts as the information desk and answers phone and written inquiries for publications, as well as assisting callers in the pursuit of diverse information.

Visitor Services is under the direction of Virginia Sayre, who arranges tours, schedules conferences and acts as Brookhaven's "hostess" in planning dinners and other Laboratory social events. Dorothy Schroeder assists here in the preparation of programs, mailings and in the scheduling of the many meetings and tours.

With the increased load due to Open House and the other public events in the offing, Mary Patton will assist in copy preparation of the literature and in the myriad activities of the office.

The box below will serve as a handy reference to call who for what in Public Relations.

Public Relations

Press, radio, TV, booklets, exhibits, Open House, Energy Fair

Carl Thien	Ext. 2345
(after 5 p.m.)	744-2069
Beverly Goldstein	Ext. 2347
Mary Patton	Ext. 2345

Brookhaven Bulletin

Bernice Petersen	Ext. 2346
Carol Goldstein	Ext. 2346

Tours, conferences

Virginia Sayre	Ext. 3364
Dorothy Schroeder	Ext. 3327

N.E. Energy Dialogue

"Northeast Energy Perspectives" will be the subject of discussion at a two-day meeting to be held at the Laboratory March 16 and 17. Participating in the meeting will be members of state governments in the northeast responsible for various aspects of energy planning, and representatives of industry and other concerned groups in the region. James L. Liverman, Assistant Administrator for Environment and Safety, ERDA, will address the conference.

A study of the major issues in the energy future of the Northeast is underway by the Policy Analysis Division of DAS. This meeting will serve to expand the dialogue already started with some of the states on the implications of the study, and is expected to play an important role in framing the conclusions and recommendations from the study.

BNL Lecture

(Cont'd)

turning his attention to porphyrin radicals, had concentrated his research on reaction mechanisms in photo and radiation-chemistry involving free radicals.

A buffet supper will be served in the Brookhaven Center before the lecture beginning at 6:00 p.m. Reservations should be made in advance by calling Ext. 3541 before 5 p.m. Refreshments will be available in the lobby of Berkner Hall immediately after the lecture.

News From Stony Brook

• Brookhaven's Assistant Director, R. Christian Anderson, is one of twelve newly elected members to the Stony Brook Foundation of the State University of New York at Stony Brook. The Foundation draws its members from Long Island's civic, industrial, professional and academic leaders. Among the other members just announced are Phyllis Vineyard, President of the Suffolk Community Council and wife of Laboratory Director George Vineyard, and William J. Catacosinos, President of Applied Digital Data Systems, Inc., formerly an Assistant Director of the Laboratory.

• SUNY's President John S. Toll has been elected Chairman of the Council of Presidents of the Universities Research Association Inc. for 1976. He succeeds Jerome Wiesner of MIT. The Association operates the Fermi National Accelerator Laboratory.

• A private collection of physics journals, books and professional papers has been donated to the university by Mrs. Louise G. Bellport in the name of her late husband, Charles E. Porter, who was a physicist at the Laboratory. Mr. Porter amassed a large collection of nuclear physics-related materials during a long teaching and research career.

Bicentennial Symposium

Brookhaven will be one of the thirty exhibitors at an all-day Bicentennial Symposium organized by the Suffolk County American Revolution Bicentennial Commission at Colonie Hill, Hauppauge, on March 16. Besides exhibits, the symposium will feature speakers, films, seminars on religion, colonial cooking and costumes, black history, Indian archaeology on L.I. and early gardening and crafts.

Railroad Blues

After reporting on the Brookhaven railroad siding in an article a few weeks ago, the *Bulletin* now adds another chapter to this saga.

A week ago Thursday, March 4, at about 9:30 p.m., two engines and a flat car containing 180,000 pounds of steel bound for the metals warehouse were chugging along on the Laboratory site when they derailed near the south fire break.

There were no injuries and, with the assistance of a giant crane, the two engines were put back on the track and removed. One of the engines was a brand new diesel, weighing 150 tons, which the Long Island Railroad calls the Bicentennial. Removing the gondola containing the steel proved to be a much more difficult proposition and, as of this writing, LIRR personnel are still working on it.

The cause of the derailment has not been determined. — photo by Rosen

1976-77 BNL Council



Members of the 1976-77 BNL Council elected from the tenure staff to serve as an advisory body to the Director. Seated, from left, William B. Sampson, Accelerator; Marshall Newton, Chemistry; Mark Sakitt, Physics (Chairman); Stephen W. Feldberg, DAS; Sanford Lacks, Biology; Standing, from left, Benno P. Schoenborn, Biology; Eric Forsyth, Accelerator; Richard Stoner, Medical; Richard Wiswall, Jr., DAS; John D. Axe, Physics; Gordon T. Danby, Accelerator; Robert Chase, Instrumentation. Other members absent when this picture was taken are: Harry Palevsky, Physics; Stanton Ehrenson, Chemistry; Leonard D. Hamilton, Medical.

Official & Special Events

Monday, March 15

Technology Utilization Officers Meeting

Tuesday, March 16

Northeast Energy Perspective Conference - Berkner Hall (Feb. 16-17)

Wednesday, March 17

Navy Meeting

Monday, March 22

CSWEG Task Force Meeting (March 22-26)

Wednesday, March 24

BNL Lecture - Berkner Hall - 8 p.m. Manhattan College Physics Society Tour

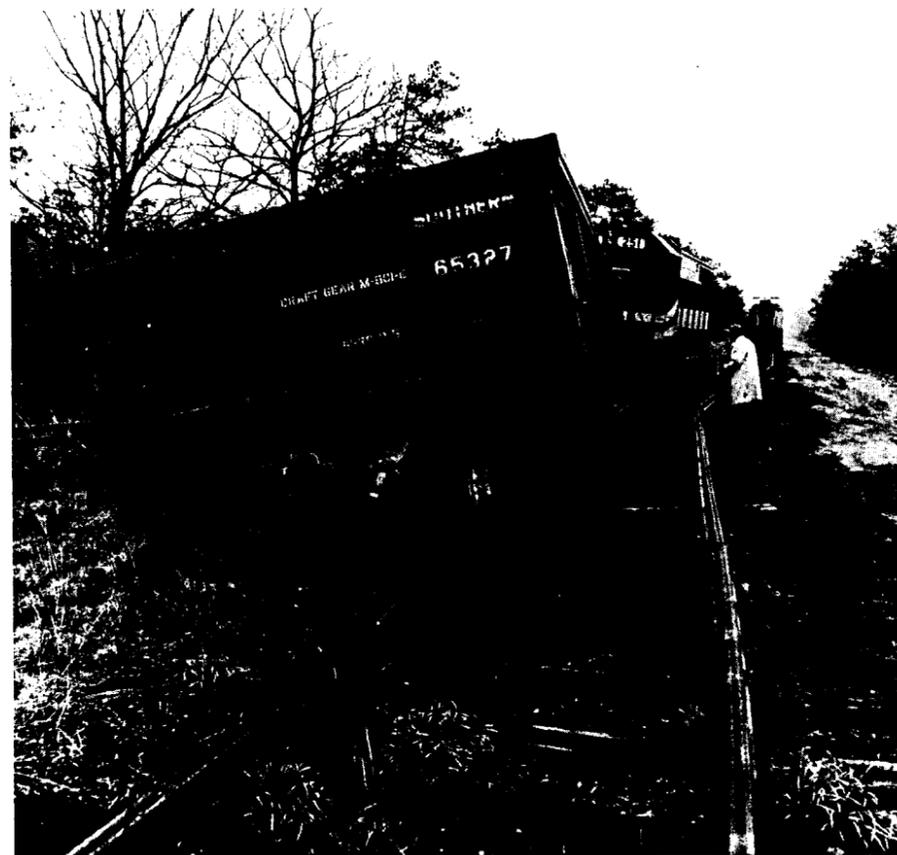
Friday, March 26

Finite Element Conference (March 26-27)

Having trouble with your 189's? Why don't you call Word Processing on extension 2955? They may have the answer to your problems.

DAS Seminar

"A Case for Electric Vehicles: Facts and Fiction" will be presented by Dr. Bernard S. Baker, President, Energy Research Corporation, in a seminar March 19, at 3:30 p.m. in the Hamilton Seminar Room. The question to be resolved is what type batteries is most attractive in the near, intermediate and long term. This question, along with a description of what is needed and an assessment of what may work, will be discussed in the talk.



Reports Available

The following reports are now available to the Laboratory Staff and to affiliates of the AEC, AUI, and BNL. Others may purchase them from the National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, Virginia 22151. Staff members should call Ext. 3484:

BNL 50478 \$7.00
The Brookhaven National Laboratory Regional Energy Studies Program - Annual Report for Fiscal Year 1975. November 26, 1975. P.F. Palmedo, Editor

BNL 50482 \$5.00
Individual Air Pollution Monitors - An Assessment of National Research Needs. Report of a Workshop Held at BNL, July 8-10, 1975. M.G. Morgan and S.C. Morris

BNL 50479 \$7.00
HTGR Safety Evaluation Division Quarterly Report for period July 1 - September 30, 1975. D.G. Schweitzer

Bowling News

Cathy Van Noy

Pink League

The "Pinsplitters" are still leading the league by seven points with the "Fiscal Assets" and the "Gutter Getters" tied for second place. High games for the evening were Lindora Boyd with a big 225 game which is the highest bowled in the league this season. Other games were Cathy Van Noy 196-181-535 series, Pat Oster 178-168, Renie Rosati 179, Rosalie Piccione 172-166, Betty Jellett 168, Grace Fales 160, Helen Keeley 153-156, Marge Stoeckel 154, Marie Brenner 153 and Kay Conkling 152. There were a lot of nice splits made but unfortunately, no one reported them but Ellie McCaw converted the 6-7-10 and Charleen Holland converted a nice one. The pot was won by R. Rosati with a 233.

Black N Blue League

The "Nocounts" are out in front as the last third gets underway with the "Upton Downers" and "Maybe's" close behind. High games for Feb. 25 were Irma Montanez 169. Mary Austin and Howie Bell won the pots. High games for March 3rd were Len Kalmar 200, Debbie Antonio 197-163, Pat Lebitski 160. Pots were won by Len Kalmar 255 and Debbie Antonio 245.

Green League

The "Got-A-Hit-Ums" moved into first place as they took eleven from the "Cosmos." The "Super Cools" slid into second by taking eight from the "Trouble Shooters" and the "Charlie Browns" moved into third by taking eleven from the "Phoubars" who have now dropped to fourth. 200 games were A. Kreisberg 200, N. Parrinello 215, G. Meinken 208 and T. Iarocci 248.

Red League

The "Sandbaggers" put three great games together for a high team series for the year of 3147. A big hand for R. Adams for the high game of the year with a 278 and 299 gross. This was 105 pins over average, his 642 scratch and 705 gross earned him his two club awards. N. Anderson also receives his two club awards with a 607 scratch (221-212) and 697 gross series. K. Riker rolled a nice 221 for a 601 scratch and his club award. Other 200 games were E. Meier 234 (591 scratch), C. Buzzeo 217, A. Pinelli 211, R. Nelson 210, R. Jones 204, J. Scesny 201 and H. Frei 200.

Purple and White League

Three teams have a chance for first place going into position night. The "Sea Gulls" face the red hot "Flounders." The Gulls with a 31½ and Flounders 29 but the "Alley Oops" with 29 can take it all with a good night. High games were Betty Roche 177-485, Jon Scott 209-573, Bob Brown 203, Frank Short 202. Pete Austin had a nice 671 gross series.

Highlight of the Men's L.I. Industrial Tournament

After the first week of bowling, our team which consisted of Joe Scesny, captain, Ralph Nelson, Bob Jones, Ed. Meier and Ed. Sperry finished in fourth in the standing and third in the incentive division. High games were Ed Meier 224-210-601, Bob Jones 201, Ralph Nelson 205-190 and Joe Scesny 209. There are still three weeks to bowl and we are looking for the trophy this year.

Arrivals & Departures

Arrivals

Julius B. Brooks Plant Engr.
Donald J. Brown, Jr. Plant Engr.
Karen G. Cody Applied Math.
Cleveland J. Dodge Applied Science
Owen C. Jones, Jr. Applied Science
Edward Kaplan Applied Science
Michal Kolpak Plant Engr.
Vincent La Forte Plant Engr.
Laurence W. Milian Applied Science
Frank R. Miller Plant Engr.
Michel J. Perrier Plant Engr.
Constance B. Romaniello Applied Math.
Rudolf E. Slovacek Biology

Departures

Charles J. Marr Central Shops
Alvin Nash Plant Engr.
Richard T. Spragg Applied Math.

Young Boatmen's Course

New York State law requires all skippers between the ages of 10 and 16 to take and successfully complete the New York State Young Boamen's Course if they wish to operate a powerboat alone.

Such a course will be given at the Port Jefferson Village Hall on Saturday mornings, March 20, 27, April 3 and 10. The classes are free and each session is two hours. On successful completion of a final examination, safety certificates will be issued which will permit the young boatmen to operate a motor boat without an adult on board.

Further information may be obtained by calling 473-7534.

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BERNICE PETERSEN, Editor

DOUG HUMPHREY, Photo-Journalist

CAROL GOLDSTEIN, Copy Preparation

40 Brookhaven Ave. Upton, N.Y. 11973
Telephone 516 345-2345

CARL R. THIEN, Public Relations Officer

Letters To The Editor

To the Editor:

Last week we heard a thoroughly enjoyable chamber music concert in Berkner Hall.

I think that our small auditorium is a real gem for such performances; it is pleasing to the eye, spacious and comfortable, and the acoustics are great.

If we had enough subscriptions to fill the auditorium, we could possibly always attract such top-notch performers as the Bartok Quartet.

Ille Perlman

Reporters Wanted

The *Bulletin* is looking for acute observers to alert us to news for your newspaper. These need not be "heavy" items, just leads to people, incidents, funny happenings, and the like. If something comes to your attention which you think would be interesting to readers of the *Bulletin*, let us know.

Also, the "Tune In" boxes have been replenished. If there is something you want to know, but don't know who to ask, take a form and write about it. Your letter will be numbered and forwarded without your name to the appropriate office for a response. Messages of general interest will be published in the *Bulletin*.

Brush Up Your Shakespeare

A group of accomplished readers assembled by Denise Dew-Hughes will bring scenes from Shakespeare's *A Comedy of Errors* to life at the next meeting of the Theatre Group on March 18. Forget about how you slept through high school and college courses on the bard - these readings are guaranteed to keep you awake.

Also at the meeting full details of the next production, "The Devil's Disciple," will be available from Producer Eena Mai Franz. All old timers and newcomers are urged to participate in the new show - there are plenty of chances to try your hand - costumes, make-up, set design, set construction, lighting, sound, publicity, house managing. We need you all to make our Bicentennial production one of the best.

Come to the next Theatre Group meeting on Thursday, March 18, in the Exhibit Hall/Stage II.

Effective March 15, Post Office window hours will be 8:00 a.m. to 4:30 p.m., Monday through Friday.

Cafeteria Menu

Week Ending March 19, 1976

Monday, March 15	
Tomato Bouillon	
Franks & Beans	1.00
Barbecued Fresh Ham & 1 veg.	1.25
Tuesday, March 16	
Cream of Chicken Soup	
Chopped Steak & 1 veg.	1.05
Chinese Pepper Steak on Rice	1.20
Wednesday, March 17	
Shrimp Chow Mein on Rice	1.10
St. Patrick's Day Special	
Cup of Split Pea Soup	
Corned Beef & Cabbage	
Boiled Potato or Mashed Turnip	
Choice of Pie	
Small Beverage	\$1.87 plus tax
Thursday, March 18	
Purée of Mongol Soup	
Spanish Omelet & fr. fr.	1.10
Short Ribs of Beef & 1 veg.	1.25
Friday, March 19	
Clam & Celery Soup	
Seafood Cakes & Spaghetti	1.00
Pot Roast & 1 veg.	1.25

Emergency Medical Technicians



Brookhaven Firefighters who now qualify as Emergency Medical Technicians were presented with New York State certificates at graduation ceremonies on March 9 at the Center. Seated from left are Tyrell Wilson, Vincent Droskoski, George Eleazer, Robert Safranek, Stanley Rhodes. Standing from left, Robert Mosley, Antonino Realmuto, Raymond Archbold, Franklin Leon, Michael Carroll, Daniel Gilliam, Otto Medeck, Russell Dunn. Absent when this picture was taken was Michael LaLosh. —photo by Rosen

Selected Reading

- New Sci. 69, January 22, 1976
Energy file: Nothing new in the great nuclear waste debate. 181.
The pulsar man: Anthony Hewish and "the most exciting three weeks of his life." J.G. Crowther. 188-90
- Science 191, January 23, 1976
NSF: Trying to cope with congressional pressure for public participation. B. J. Culliton. 274 +
- Science 191, February 27, 1976
National Science Foundation: Criticism from Conlan, GAO. J. Walsh. 830-2
- Science 191, March 5, 1976
Towards a human science. M. Mead. 903-9
Basic research funding: ERDA de-energizes nuclear science. W.D. Metz. 931-3

Volleyball

Joe Mead

Men's League Results

Spikers	3	Busters	0
Cool Tools	3	Easy Aces	0
Atom Spikers	2	Circuits	1

Men's League Standings

	Won	Lost
Spikers	14	1
Cool Tools	11	4
Atom Spikers	9	6
Busters	6	9
Circuits	4	11
Easy Aces	1	14

Soccer

John Skalyo

After a disastrous winless first half of the season, DAS-CHEM-MED have found the frontline to put them in contention for league honors. As the play goes into the final three weeks of the season, all teams are still fighting for first place. PHY-AMD-INST could have locked up the season with a double win this past week, but were instead turned back twice. DAS-CHEM-MED won over AGS and then with two big goals from Hernan, defeated PHY-AMD-INST 2-0. In the final game of the evening, offsetting goals by Fleischman and Emery were scored early in the first half. The final 30 seconds saw Batchelor score from in close to give AGS a 2-1 win over PHY-AMD-INST.

The outdoor season will start soon and games are being scheduled with various Long Island teams. Persons interested in playing field soccer should contact Ralph Fairchild, extension 3649.

League Standings (March 5, inclusive)

	W	L	T	Pts.
PHY-AMD-INST	13	8	8	34
DAS-CHEM-MED	11	12	7	29
AGS	12	16	1	25

Classified Advertisements

Each week the Personnel Office lists personnel placement requisitions, currently being processed. The purpose of these listings is, first, to give notice of all non-scientific staff positions being filled and, second, to give employees an opportunity to request consideration for themselves through the Personnel Office. In filling vacancies, the Laboratory's objective is to give first consideration to present employees, as follows: employees within the immediate group having the vacancy, employees within the department or division, employees within the Laboratory as a whole.

For further information regarding a placement notice, or to request consideration for an available position, contact Supervisor, Personnel Placement & Development, extension 2874 or 2882.

Placement Notices

- 53. TECHNICIAN - AAS degree or equivalent in mechanical technology and approximately three years cryogenics experience. Requires working knowledge of helium compressors and vacuum technology. Some knowledge of electronics desirable. Cold Neutron Facility. Physics Department.
- 54. COMPUTER SCIENCE ANALYST - Temporary position. Department of Applied Science.
- 55. ENGINEERING ASSISTANT - Assignment involves computer code analysis, programming, preparation of engineering reports, graphs, and data analysis. Experience in FORTRAN required with a background in engineering desirable. Department of Applied Science.
- 56. OFFICE SERVICES ASSISTANT - Word Processing Center. Photography and Graphic Arts Division.
- 57. STATISTICIAN - Minimum BS degree or equivalent in mathematics/statistics and experience in the application of statistical methods for the review and assessment of nuclear safeguards research and development. Department of Applied Science.
- 58. TECHNICIAN - AAS degree or equivalent in electro-mechanical technology and at least two years' experience in construction and maintenance of hydraulic equipment, fluid flow systems and a wide assortment of monitoring equipment. Fast Reactor Safety Division. Department of Applied Science.
- 59. EMPLOYMENT REPRESENTATIVE - Seeking a versatile and resourceful individual with 4 - 6 years diversified experience in personnel placement. Background should include a Bachelor's degree or equivalent with emphasis in oral and written communications and human relations. A demonstrable record of achievement in the total recruitment process including responsibility for the evaluation and selection of professional engineering, scientific, administrative, and technical support personnel is required. Personnel Division.

Autos & Auto Supplies

- 63 VOLKS - Excel running condition, must sell. \$175. Phil, 399-2070.
- 68 VOLVO - 142S, 4-speed manual, steel belted radials, am/fm, cpl new muffler system. \$1150. Siegfried, Ext. 4725.
- TIRES - (4) Steel belted radials, FR78x14, never used. \$150. George, 698-7211 after 6.
- CHROME - Set of side exterior pipes, 6' long, 4 mos old, fits all cars, vans & pick-ups. \$50. Steve, Ext. 4308, 924-8011.
- SNOW TIRES - (2) Brand new, Goodyear DR70-14, steel belted radial. Best offer. Marty, 4660, 661-0089.
- SNOW PLOW SET-UP - For Chevy 4WD, no blade, \$150; 3L7 truck motor, runs, needs work, \$50. 589-9103.
- 74 PONTIAC - Firebird, 6 cyl, excel condition, p/b, p/s, radio, 22,000 mi, 2 keystone mags. \$2900. Grace, 588-5172 after 4.

- 68 CHEVY - Malibu, V8 307, radio, tape, snows, new battery. \$150. Ext. 3124, 3983.
- 70 HONDA - 175 cc, good cond. \$350. 399-1553.
- 73 YAMAHA - LT3-100MX, over \$300 in extras. Worth \$850, will sell for \$450. 423-7461.
- BUCKET SEATS - 1 pr, blk vinyl, good cond, fits GM cars. \$30. George, Ext. 4212.
- 64 JEEP WAGONEER - Rebuilt trans, 3 spd on floor, 4-wheel drive, body & engine in good cond. \$900. 286-9197.
- WHEEL COVERS - 4-14". Dave, Ext. 3427.
- TIRES - (4) mounted, essentially new, recaps, 855-14; 2 snows, 2 reg. tread, \$25/pr. Dave, Ext. 3427.
- RALLY RIMS - (4) 15", fit Chevy or Pontiac. \$75. Sandra, Ext. 4207, 727-5158.
- 65 TRIUMPH - TR4A, good transportation, 21 mpg around town, many new parts. \$625. Don, Ext. 4551, 281-6160.
- 75 VW SCIROCCO - Like new, balance of warranty, 4-speed, am/fm stereo. 821-0371 eves.
- 73 VOLKS - Bug, auto, white, r/h, 45,000 mi. Will trade for automatic van or pick-up, \$100 range, balance cash. 924-8520.
- 73 VOLKS - Bug, automatic, white, r/h, 45,000 mi, immaculate. \$2000. 924-8520.
- 72 1/2 GREMLIN - Auto, a/c, good tires, new battery, excel cond, 35,000 mi. \$2000. 744-5038 after 6.
- 71 MG - Midget. \$900. Al, Ext. 4103, 653-4632.
- 74 CHEVROLET - C-10, pick-up, 6 cyl, 3 spd, 21,000 mi, excel cond. \$2700. Chucky, 289-3530.
- 64 FORD STATION WAGON - V8, needs work. \$150. 281-8257.
- 74 DUSTER - V8, 4-speed, am/fm, bucket seats, excel cond, must sell. \$2300. 281-5847 after 6.
- 63 BELAIRE - 2 dr, standard, 6 cyl, 1 owner, economical transportation. Ext. 3146, 325-1961.
- 67 COMET - 2 dr, ps, 289 V8, 2 new snows. \$350. Neal, Ext. 3050.
- SNOW TIRES - Fit Ford Pinto or Mustang. \$30. 878-4077.
- TIRES - (3) 685-15" & (3) 645-13". 475-0144 after 6.
- BIKE - Woman's/girl's, folding type, 3 speed, good for apartment dweller or limited storage space. \$25. Carol, Ext. 4398.
- 74 HONDA - Mini-bike, 50 cc, helmet & goggles included. Leonard Bacelli, 475-8884 after 5.
- 71 MUSTANG - V8, automatic, ps/pb, am/fm, 55,000 mi, excel cond. Carol, Ext. 4398.
- TIRES - (2) G78x15 on 15x7 chrome spoke rims for Ford truck or van, 5 lug. Bill S., Ext. 4434.
- VAN WINDOWS - Tear drop bubble, \$55 per pair; gem bubble, \$62 per pair; heart bubble, \$44 per pair; portholes, flat, \$32 per pair. Bill S., Ext. 4434.
- 76 BUICK - Century custom, white w/red interior, radial tires, mags, am/fm stereo tape deck, a/c, Hearst hatch sun roof. \$5900. 981-5993 after 6.
- 72 CHEVY - Pick-up, 6 cyl, standard shift, 4 new tires, excel running cond. \$2250. Mike, 878-1325.
- 68 FORD - Country Squire station wagon, new radial tires, brakes, shocks, a/c, ps/pb. \$1000. 878-1895 after 5.
- 68 VW - Super Beetle, good mechanical cond, 81,000 mi. \$450. Connolly, 475-5960.
- 74 CHEVY PICK-UP - 3/4 ton, 8' bed, 350-V8, auto transmission, pb, very good. \$2500. Ext. 3848, 472-0553.
- 74 MOTORCYCLE - 125 cc Zundapp Enduro, excel cond, Koni shocks, 6" RWT, new tire, chain & sprocket. \$400. 878-4513 after 6.
- 73 OLDS-Toronado - Fully equipped, 23,000 mi. \$3800. 472-0531.
- 68 CHEVY CAPRICE - A/c, p/s, built in tape deck. \$450. Ext. 4070, 475-7272.
- 72 MERCURY - Montego, good cond. \$1800. 751-1912 eves.
- TIRES - Recaps & used, most sizes, extra rims available. Ken, 289-8212 eves.
- TIRES - (2) Used snow tires, E78-14, \$5; (1) 14" Chevy wheel, \$2. Sy, Ext. 3600.

Boats & Marine Supplies

- 18' GRADY WHITE - '68, 65 hp, tandem trailer. \$800. 734-7342.
- 33' CHRIS CRAFT - Sedan, auto pilot, f/b, enc bimini, d/f, new radio, tape deck, twin f/w palmers, gen, constavolt, loaded & clean. Ext. 4832, 475-7241.
- 23' INCA IMP - 73, 225 hp OMC engine, in/out board, convertible w/camper top. \$7300. 475-2253, 249-7665 after 6:30.
- 9' SAILING PRAM - Gaff rigged mast, sail, etc. \$150. Bill Espensen, Ext. 3992.
- 26' OWENS - Cabin cruiser, sleeps 6, flagship engine accessories, very good cond. \$2100. Sandra, Ext. 4207, 727-5158.
- 23' SEA RAVEN - '60, half-completed, lapstrake, V8 inboard, many extras. List \$1500, sell \$800. Jerry, 281-7373.
- 20' CRESTLINER - Cuddy cabin, fiberglass, 100 hp Johnson, extras good cond. \$1500. 727-5168 after 6.
- 18' LYMAN - 6 cylinder Chrysler marine engine. \$500. G.S. Raynor, Ext. 2268, 727-5194.
- 14' ROWBOAT - Trailer, 4 hp Evinrude motor. \$250. G.S. Raynor, Ext. 2268, 727-5194.
- MOORING - 100 lb mushroom, 35' of 1/4" chain, pennant & float, \$50. Brian, Ext. 4121.

