

New Public Lecture Honors Donald Van Slyke

A new, annual, public lectureship has been endowed at BNL in memory of the internationally renowned biological chemist, Donald D. Van Slyke.

In 1970, the year before his death, Van Slyke was still active at the Lab as a Senior Scientist Emeritus at age 87. Van Slyke is best known as the



Donald D. Van Slyke

initiator of modern clinical chemistry, and his ideas and work have been spread throughout the world by his students.

The first lecture, to be held on Wednesday, September 30, at 8 p.m., in Berkner Hall, will be given by Ludwig Feinendegen, Director of the Institute of Medicine at the Nuclear Research Center at Kernforschungsanlage Jülich GmbH (KFA) and Professor of Medicine at the University of Dusseldorf, West Germany.

Feinendegen's topic, "Non-Invasive Study of Human Cerebral and Cardiac Metabolism by Nuclear Medicine Technology," will demonstrate the extent of knowledge now available from the live human brain and heart through the totally harmless, or non-invasive, techniques extensively employed by Alfred Wolf and his associates at BNL and by Feinendegen at KFA.

Feinendegen was selected as the first speaker for two reasons: First, as a physician and scientist working in the Medical Department between 1958-63, he had known and admired Van Slyke. Second, he has made his own significant contributions to the field of *in vivo*, or live, use of nuclear medicine techniques.

Some of Feinendegen's work has involved developing a diagnostic procedure, based on cardiac blood transit time, that has proved useful for several types of heart disease. Feinendegen is also one of the pioneers in applying labeled fatty acids to investigate

in vivo processes of various heart diseases, to differentiate between coronary heart disease and other disorders.

Recently, Feinendegen and colleagues demonstrated a new radio-labeled fatty acid derivative that does not break down readily in the heart cell.

Feinendegen took his medical degree at the University of Cologne in West Germany and belongs to the European Society of Radiation Biology, the European Study Group for Cell Proliferation and the Society of Nuclear Medicine, among other memberships.

Donald Van Slyke was born in Pike, New York, in 1883. After receiving his Ph.D. in Chemistry from the University of Michigan in 1907, he worked at the Rockefeller Institute for Medical Research until he retired in 1948.

Then came his next career, this one at Brookhaven, as Associate Director of Life Sciences. He remained at BNL until 1951, when he joined Eli Lilly and Company as Counselor for Research Grants on a part-time basis.

He also continued studies at Brookhaven on collagen and the use of carbon-14 in studying metabolism and directed the Clinical Chemistry Laboratory at the Lab's Medical Research Center. In 1956, Van Slyke resumed full-time research at BNL, until his death, at 88, in 1971.

Funded from private sources, with a donation from AUI, the Donald D. Van Slyke lectureship was activated by a committee chaired by Michael Bender, Medical Department. Other committee members were Arjun Chana and Eugene Cronkite of the Medical Department, Richard Setlow and Marshall Elzinga of the Biology Department.



Ludwig Feinendegen

Rosalyn Yalow to Deliver AUI Distinguished Lecture

Measuring radioactive substances has been a major topic throughout Rosalyn Yalow's career. In 1977, this interest culminated in her sharing of the Nobel Prize in physiology or medicine, for the development of radioimmunoassay (RIA) methodology and its application to biomedical investigation. The first application of RIA came in 1959, to measure a diabetic's circulating insulin.

While Yalow, a Senior Medical Investigator for the Veterans Administration (VA), has pioneered such beneficial uses of radioactive substances, she is also well aware that radiation and radioactivity are among society's greatest concerns today. Much of her recent work has been concerned with society and its perception of the dangers of radiation, particularly low-level radiation.

Yalow will address some of those concerns in the 33rd AUI Distinguished Lecture, which she will deliver in Berkner Hall on Monday, September 28. Entitled "Radiation and Society," her talk will begin at 8 p.m. and is open to the public.

Though she became a medical physicist and biomedical investigator, Yalow earned her A.B. degree in physics and chemistry from Hunter College in 1941, planning to be a nuclear physicist. Toward that end, she earned a Ph.D. in nuclear physics at the University of Illinois in 1945.

Her thesis was directed by former BNL Director Maurice Goldhaber, by whom she will be introduced at the AUI Lecture. In her Nobel speech, Yalow acknowledged the "support and encouragement" of Maurice and Gertrude Goldhaber, both of whom became BNL physicists five years after Yalow completed her thesis.

As a nuclear physicist, Yalow learned to make and use apparatus for measuring radioactive substances. In 1947, she brought these skills to the Bronx VA Hospital, where she equipped and developed the Radioisotope Service.

In 1950, she began the collaboration with Solomon Berson that resulted in the development of RIA methodology and which continued until his death in 1972. Today, their Radioisotope Service is the Solomon A. Berson Research Laboratory, and Yalow



Rosalyn Yalow

directs it. She is also the Solomon A. Berson Distinguished Professor-at-Large at the Mount Sinai School of Medicine, with which the Bronx VA Hospital is affiliated.

Though the VA has been the constant in her career, Yalow has found time to pursue her research at other institutions. From 1979-1985, she was Distinguished Professor-at-Large at the Albert Einstein College of Medicine at Yeshiva University, and from 1980-1985, she chaired the Department of Clinical Sciences at Montefiore Medical Center.

Among her other activities have been a seat on the Board of Scientific Counselors for the National Institutes of Health, from 1972-75 and 1978-81, and a term as President of the Endocrine Society, 1978-79.

In addition to the 1977 Nobel Prize, Yalow has received scores of major honors and prizes, including the Eli Lilly Award of the American Diabetes Association, 1961; the Albert Lasker Basic Medical Research Award, 1976; enshrinement in the Engineering and Science Hall of Fame, 1987; and some 40 honorary degrees.

Yalow is also a Member of the National Academy of Sciences and the American Academy of Arts and Sciences, and a Foreign Associate of the French Academy of Medicine.

IBEW Meeting

Local 2230, IBEW, will hold its regular monthly meeting on Monday, September 28, at 6 p.m. in the Knights of Columbus Hall, Railroad Avenue, Patchogue. On the agenda will be regular business, committee reports and the president's report.

Arrivals & Departures

Arrivals

Gerard Breidenbach DNE
 Morris E. Friedkin Chemistry
 Michael J. Furey Contracts & Proc.
 Jonathan J. Lee Physics
 Michael P. O'Reilly MIS
 Leonid Rebelsky Physics
 Yosepha Shahak Biology
 Herbert D. Zeman NSLS

Departures

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

Abdulwahid Abdulwahid Biology
 Sheila M. Chaffee Director's Ofc.
 Yen-Ching W. Chen Physics
 Jeffrey W. Culver Sfgds. & Sec.

Problem Solvers

Every problem has a solution — that's the philosophy the members of the Employee Relations Committee apply whenever they set out to help non-bargaining, non-scientific employees with work-related problems that have not been resolved with their supervisors. The ERC, which is appointed by the Laboratory Director, tries to hear all sides in resolving a problem.

To contact the committee, call its special number, Ext. 4005, or contact any of the individual members listed below:

	Ext.	Dept./ Div.
Carolyn Albert	3717	Phys.
April Donegain	2459	Fisc.
Susan Eng	7988	AMD
Annette Gremme	3662	Med.
Michele Haller	7908	DCP
Jose Medina, Chairman	4005	PE
Vincent Racniello	7336	NSLS
Michael Zguris	4728	AGS

Alcohol Abuse

"Alcohol Abuse" will be the topic addressed by Psychologist Jannifer Hill, Manager of the Employee Assistance Program, on Tuesday, September 29, at noon, in Berkner Hall.

During her talk, Hill will discuss how to recognize that alcohol may be a problem, how to differentiate between alcohol abuse and addiction, what are the physical consequences of excessive alcohol intake and how to seek help for an alcohol problem.

Hill's talk is offered as a Health Promotion activity of the Occupational Medicine Clinic. All are invited to attend.

Hospitality News

The next Hospitality Committee get-together will be on Tuesday, October 6, at 9:30 a.m., at the Brookhaven Center. Master gardeners Nancy Nagy and Nancy Kuehner will be the guest speakers. The topic of their lecture and demonstration will be "Dry Flower Arrangements." Materials will be provided for each guest to make a small arrangement.

Please come and enjoy the morning with us. Spouses of Laboratory employees and visitors are welcome. Bring the children; babysitting will be provided free of charge. Coffee, tea and danish will be served.

