

## CHALLENGING QUESTION INTRIGUES SPEAKER

To Prof. Max Dresden of the State University of New York at Stony Brook, one of the most intriguing questions is how do "physicists respond to radical changes in physics."

Although a physicist himself and executive officer of the Institute of Theoretical Physics at SUNY, Dresden had come to Fermilab to speak as a historian at the first Physics Colloquium since the summer recess. Dresden told his audience that the "most radical change this century in physics has been the transition from classical to quantum mechanics." He also said that every physicist is asked to make a judgement about changes, and, indeed, there are "some scientific believers and some scientific atheists," referring, of course, not to religion but to the new concepts and approaches that always are emerging in a scientific discipline.

To develop his topic, he chose to tell about the Dutch physicist, Hedrik Anthony Kramers. He was recognized internationally as a brilliant physicist who made many outstanding contributions to his discipline, the speaker said. However, Kramers also was recognized as a "near miss" physicist, the one "who published the last paper before a major advance published by someone else," Dresden added. If it had happened once or twice, this could be just bad luck or coincidence. But these near misses occurred many times throughout Kramers' life, in a sense plaguing him, said Dresden.

What was holding Kramers back from taking that next big step? asked the speaker.

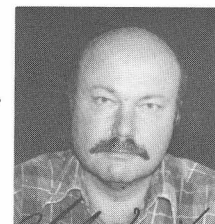
He was so close to so many truly deep and great contributions, Dresden said. He attributed these near misses to Kramers' "dislike of simplicity and of cheap success and his unwillingness to make clean breaks" with the past.

"He was unwilling to abstract and he had a hesitancy about conflicts."

\* \* \* \* \*

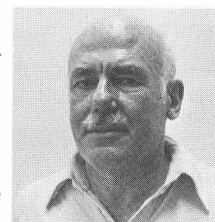
## TWO PHYSICISTS HONORED

Lou Hand, professor of physics at Cornell University, has been awarded a John Simon Guggenheim Memorial Fellowship.



*Hand*

Harry J. Lipkin, a Fermilab visiting scientist has been awarded a Rothschild Prize in the physical sciences.



*Lipkin*

A Fermilab user since 1971, Hand also is one of the collaborators on Experiment 553, a neutrino emulsion experiment to study the production of charmed particles. Hand will conduct research in high energy physics at Oxford University, Oxford, England, for a year beginning in early September. In addition to this fellowship, he also has a Senior Visiting Fellowship from the (British) Science Research Council to work at Oxford.

Nine physicists were awarded the one-year fellowships, two of them high energy physicists. In addition to Hand, the other was Homer A. Neal, professor of physics and dean for research and graduate development, Indiana University.

A scientist with the Weizman Institute of Science, Lipkin was recognized for his work and important achievements in solid state physics, nuclear physics and elementary particle physics.

Two other scientists also were honored. They are Prof. Haim Blanc of the Hebrew University for his contributions to the study of Arabic dialects in Asia and Africa.

And Prof. Yitzhak Steinberg, a physical biochemist, for his technique of circular polarization luminescence.

Prime Minister Menachem Begin addressed the awards assembly in the Knesset.

\* \* \* \* \*

### THREE NEW AMERICAN CITIZENS

It was the dream of Stanley and Glenys Orr to become American citizens, but someone beat them to it.

[REDACTED]

Then came Glenys, who at 9:45 a.m. on Aug. 5, 1980, was sworn in as an American citizen in the Federal Building in downtown Chicago. "I feel so excited," she said afterwards. Glenys is a nurse with the Medical Office and has been with the Laboratory for five years.

Finally, there's Stan, who in the very near future will be sworn in. All the requirements leading up to that moment have been completed. He is an engineer with the Proton Department and has been with the Laboratory for ten years.

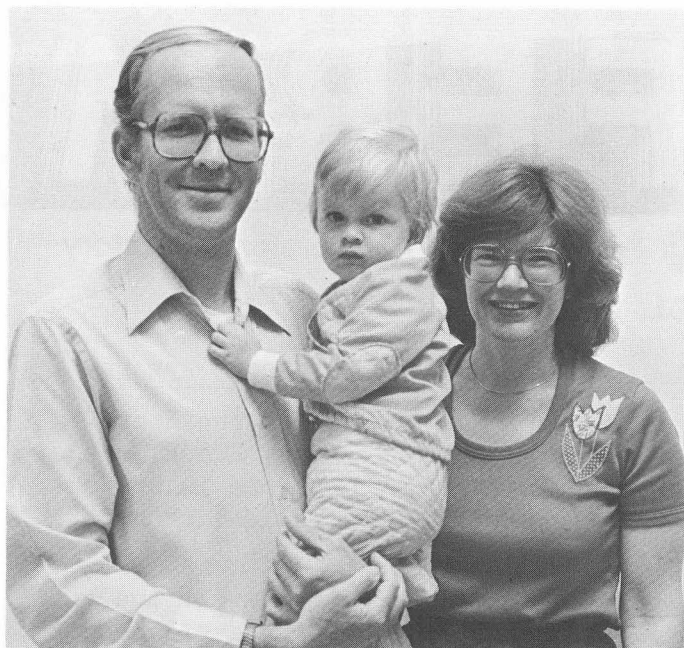
"We are where we are in our careers and our lives because of the opportunities this country has provided for us," said Stan. "To share in the American way of life has been a privilege for us. By becoming citizens, we can achieve full participation in this society that has accepted us so well."

Glenys added, "America has been so good to us. We feel that it is a privilege to be a part of this country."

Stan was born in Dublin, Ireland, and came to this country for the first time in 1963 from Brazil. Chicago's O'Hare Field was his port of entry. He earned a bachelor of science degree in physics at Elmhurst College, then his B.S. degree in electrical engineering at Midwest College of Engineering. His parents are missionaries in Brazil.

Glenys was born in Chili and migrated with her parents throughout South America, where they were missionaries. Ironically, the paths of Glenys and Stanley never crossed in that vast continent. She was awarded her nursing degree at the Auckland Hospital Board in Auckland, New Zealand. Glenys had just finished her nursing studies when she came to this country in 1969, first setting foot on American soil in Hawaii.

Yet, gradually, the fates would pull them together. Their paths crossed at the Lombard Gospel Chapel Church in Lombard, where they were both members.



*The Orr Family*

But it was not until they discovered they were working at Fermilab that "our romance started," said Glenys. They met at Fermilab in the nurse's station at the Medical Office when it was still in the Village.

"We were married about a year later," Glenys added.

\* \* \* \* \*

### CREDIT UNION DECLARES 6.25% DIVIDEND

The Argonne Credit Union board has declared a 6.25% dividend on common shares for the second quarter of 1980.

Share dividends on common shares are computed on a day-in, day-out basis rather than on the low balance each month or quarter so common with most banks and other financial institutions, explained Cindy Gould of the Fermilab office of the Credit Union.

\* \* \* \* \*

### CREF UNIT VALUES FOR 1980

The College Retirement Equities Fund (CREF) unit values so far this year are: January, \$45.37; February, \$44.59; March, \$40.33; April, \$41.82; May, \$43.70; June, \$44.81; and July \$47.84.

\* \* \* \* \*

CHEZ LEON - Call Ext. 3524 for menus and reservations.

\* \* \* \* \*

## NEW FLOWER ADVISORY COMMITTEE HELPS ENHANCE ATRIUM WITH JAPANESE GARDEN

Part of the atrium in the Central Laboratory has a new look, thanks to the recently-organized Flower Advisory Committee.

The area just inside the main entrance to the Central Laboratory has been planted to resemble a Japanese garden. Members of the committee--made up of spouses of employees and users--conducted research by visiting the Japanese garden at the Chicago Horticultural Society's Botanic Garden in Glencoe. They also selected the rocks and boulders that are a part of the garden.

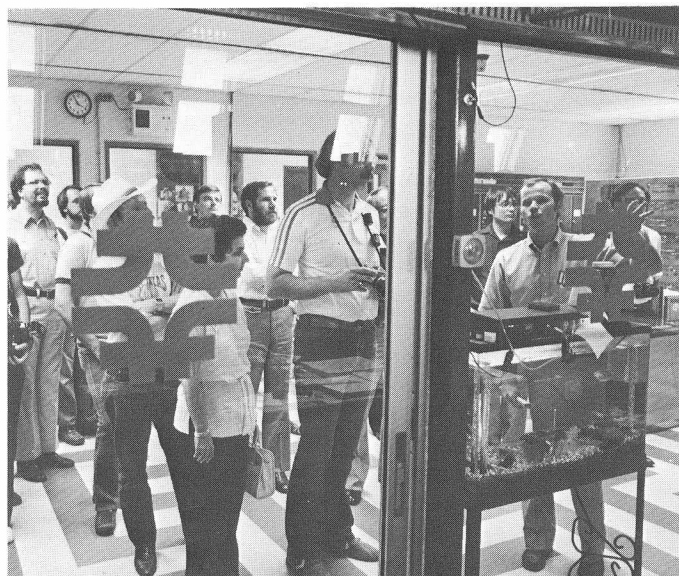
The garden, which contains flowering plants and green plants, will be changed periodically to reflect the seasons. Assisting committee members are Cindy Albright of the Users Office and Margaret Meister of Buildings Management.

Committee members include Mrs. Shoroko Ohnuma, Mrs. Ryuji Yamada, who is serving as chairman, Mrs. Kenji Ishibashi and Mrs. Masaaki Ono.



*Showing off the garden they worked so hard to design and plant are (L-R) Cindy Albright, Frankie Norton, Margaret Meister, Mrs. Masaaki Ono, Mrs. Kenji Ishibashi and Mrs. Ryuji Yamada. Frankie is (was) a summer employee. She is a junior at the St. Joseph School of Nursing. Cindy has joined her husband, Carl, for a sabbatical to CERN and DESY where he will conduct research.*

\* \* \* \* \*



*Describing Fermilab to members of the International Planetarium Society is Fredric W. Ullrich Jr., (second from right), who joined the Public Information Office recently, responsible for the tour program. Ullrich spent the last five years as a media specialist for a regional special education program. His master's degree from Northern Illinois University in 1977 was in instructional technology.*

\* \* \* \* \*

## NEW YORK TIMES NATIONAL EDITION HERE

Beamed by satellite to Chicago for printing locally, the new national edition of the New York Times newspaper is now on sale in the vending area of the Central Laboratory. The daily edition is available in the morning with the Chicago daily papers. The Sunday edition (too large for the vending box) is sold at the reception desk in the atrium between 8:30 a.m. and 4:30 p.m. while supply lasts. The daily edition costs 50¢; the Sunday, \$2.00.

\* \* \* \* \*

## TOURNAMENT GOLFERS SOUGHT

Organizers of the Fermilab Golf League tournament are seeking golfers.

The tournament will be played Sept. 13 at the Country Lakes Golf Course. The first tee off will be at 11:45 a.m. The fee for league members is \$10; for guests with no dinner included, \$15; and for guests with dinner, \$20. The cost includes one golf cart that can carry two golfers.

For additional information, contact William Froemming, Ext. 3101, or Darrell Sigmon, Ext. 3492.

\* \* \* \* \*



## REMINDERS

### Surf 'n Turf Dinner

Don't overlook NALREC's surf 'n turf dinner coming Sept. 12.

It will be held in the picnic area west of the Village Barn. Activities begin at 5:30 p.m. with dinner at 6 p.m. Entertainment will be live.

For tickets--at \$10 each--contact Pat Yost, Ext. 4365. Tickets must be picked up by Sept. 5.

### Buffalo Chip Contest

Don't forget to take time out to participate in one of Fermilab's more exotic field events.

It's the third annual NALREC buffalo chip throwing contest, and it's coming this evening from 5:15 to 9 p.m. at the Village Barn. The blue grass band of "Running Fox" will perform while listeners nibble on sloppy joes and broiled corn. A variety of beverages also will be available.

Competitors are reminded that only stock chips can be used.

\* \* \* \* \*

### HEROIC TRY AT MARATHON RECORD

Members of the Radiofrequency Instrumentation Group, Accelerator Division, made a valiant effort at breaking the Main Ring marathon record, but didn't quite make it.

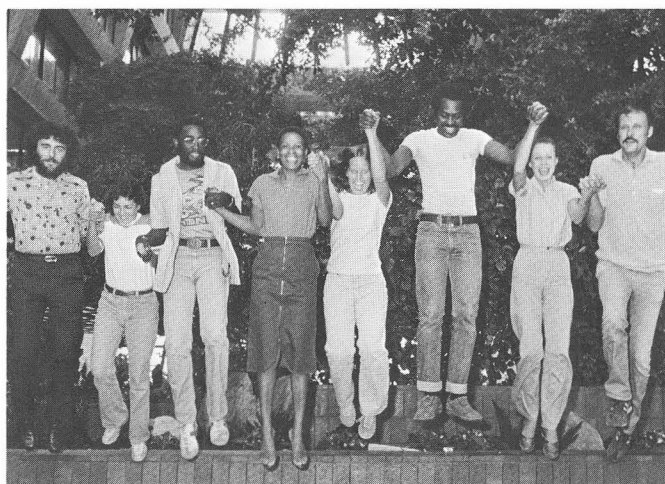
Primarily because they could only muster six runners from their small group, and seven runners are required for the 26.6 mile marathon. But this didn't daunt them as they ran against the clock. To make it somewhat technically accurate, they doubled the time of the last runner.

The record of 3 hours, 19 minutes and 25 seconds was set on Aug. 8 by runners with the Electrical-Electronics Support Group. The most recent try was made Aug. 15.

The runners and their times were Steve Conlon, 24 minutes, 44 seconds; Jay Wyeth, 25:22; Mark Augustine, 27:13; Mark Mills, 30:30; Greg Giese, 31:40; and Will Hobbs, 39:46.

Dennis Curl was the timekeeper.

\* \* \* \* \*



*Leaping with enthusiasm, members of the NALREC's Ball Party Organizing Committee from the left are Joe Morgan, Rose Muth, Michael Wilks, Claudia Foster, Linda Even, Ed Justice, Sharon Koteles and Ed LaVallie.*

### NALREC'S ANNUAL BALL PARTY

NALREC's annual ball party will be held Sept. 5 at the Village Barn area.

A sports-oriented affair, activities will begin at 5:15 p.m. with a golf event. The top man and woman will each be given a prize. The entry fee is 50 cents.

About 6 p.m., the best softball players in the Fermilab League will play an all-star game. Similarly, the best volleyball players in the Laboratory's two leagues will compete in an all-star game.

From 7:30 to 10:30 p.m. a band will play in the Barn for dancing. Hamburgers, hot dogs and a variety of beverages will be available. Admission is free, although participants are expected to pay for their own food.

\* \* \* \* \*

### HOLIDAY COMING, CAFETERIA CLOSURES

The Cafeteria in the Central Laboratory will be closed during Labor Day Sept. 1. Food service will resume the next day.

Labor Day is one of the holidays officially observed by the Laboratory. The next one will be Thanksgiving, Nov. 27 and 28.