

FERMINEWS

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CALLAWAY CRITICIZES NEWS COVERAGE

John D. Callaway, Chicago public television personality, blamed both news people and their mass audiences for the inadequate news coverage that dominates the electronic and print media.



Director of news and current events for WTTW, Chicago public television, Callaway spoke Nov. 30 at Fermilab about "News Objectivity: Myth or Reality." His talk was the first in the 1979-80 series on science and human values here.

...Callaway...

Callaway blamed reporters, particularly in the electronic media, for yielding too readily to the "tyranny of equipment" and the "tyranny of format" and not paying enough attention to the "context" of the news they were to report. For example, he said the media's failure to report adequately early developments in Vietnam "cost us 50,000 lives." After the public saw and heard what was happening there and its extent -- through improved news coverage -- the public rebelled and the war was eventually wound down under that pressure, he said.

Callaway also criticized television entertainment. "The big drug in this country is television," he said. "We support it to the extent of \$10 billion each year." He added that "67% of us depend on television as a primary source of information." Yet most people do not recognize the poor and inadequate quality of news they are getting through television, he also said. It is as though their senses have been dulled over the years by television or that individuals who recognize the problem believe they are unable to do anything about it, according to Callaway.

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FIRST CHAIN REACTION RECALLED

On Dec. 2, 1942, Enrico Fermi, for whom Fermilab is named, led the first self-sustaining chain reaction in a squash court under the stadium of the unused University of Chicago football field.

This week, 37 years later, that historic moment in nuclear physics was commemorated at the first viewing of a new sculpture of Fermi, who died Nov. 28, 1954, in Chicago. Nella Fermi-Weiner, his daughter, attended the event that was held in Eckhart Hall at the University of Chicago. Through the windows of the room, the participants could see the historic site of her father's collaboration.

In proposing a toast for the occasion, sculptor Alan Siegel quoted a comment by Enrico Fermi memorializing the significance of the achievement he led. Fermi concluded by saying, "the problems posed by the world situation are not for the scientists alone, but for all people to resolve. Perhaps a time will come when all scientific and technical progress will be held for the advantages it may bring to man and never feared on account of its destructive possibilities."

The sculptor then said, "I'd like to propose a toast to the coming of that day."

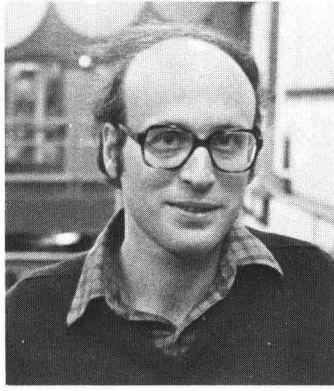
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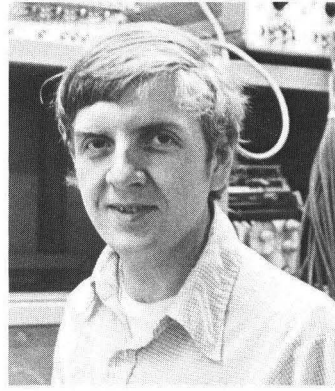
...Siegel (left) and Fermi-Weiner...



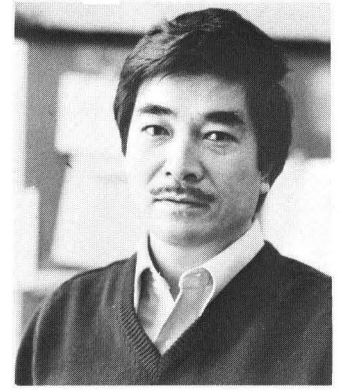
...Jovanovic...



...Nash...



...Johnson...



...Mori...

PHYSICS DEPARTMENT REORGANIZES

The Fermilab Physics Department has been reorganized.

Drasko Jovanovic has been appointed chairman and Thomas Nash is deputy chairman. The department no longer is a part of the Research Division, but as a Laboratory Section now reports to the Director's Office.

The reorganization was made so that the Physics Department could better serve Fermilab physicists who are conducting research. Another feature is that the Fermilab in-house groups would be more symmetric relative to the outside users in their negotiations with the Research Division. It comes in response to the recommendations of an Ad Hoc Committee of Fermilab and outside physicists chaired by Gene Fisk. The committee was asked by the director to review the Fermilab physics program.

"Our department has been charged with speaking for the in-house high energy physics experimental research and insuring that this is of very high quality," said Jovanovic. "We also are responsible for insuring good communications among Fermilab physicists within the Department, recruiting the best young research associates and exercising concern for their professional well-being. In general, the director expects us to further enhance the intellectual environment of the Fermilab physics community."

Before accepting his new position, Jovanovic was associate head of the Research Division. He became a Fermilab employee in 1972 and has served as an assistant head of the Accelerator Division and head of the Internal Target Laboratory.

Nash is spokesman for Experiment No.516--a study of photo-production--one of the major experiments now running at Fermilab. He joined the Laboratory in 1972 as a physicist with the Proton Department.

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FERMILAB NAMES TWO NEW DEPARTMENT HEADS

Shigeki Mori has been named head of the Neutrino Department and Marvin Johnson head of Research Services. Both appointments were effective Dec. 1. Mori's appointment will run to May 1, 1980, and Johnson's to April 1, 1981.

Mori had been associate head for operations of the Neutrino Department for about 18 months, and has been with the department since he rejoined Fermilab in March 1976. His association with the Laboratory began in January 1971, when he was a physicist with the Accelerator Division. In December 1974, he joined the National Laboratory for High Energy Physics in Japan, and remained there until he returned here.

In 1966, Mori was awarded his Ph.D. degree in physics by Cornell University. His dissertation was on "Photoproduction of Hypercharge--Zero Resonant States from Hydrogen." He is a past member of the Laboratory Safety Committee and the Committee on Appointments of Indefinite Term. Mori succeeds Tom Kirk, who will work on Experiment No. 610.

In reorganizing the Neutrino Department, Mori has named Ray Stefanski to serve as associate head for operations. Stefanski will continue his responsibilities as a co-leader of the Electrical Support Group. Dennis Theriot, associate head for construction, will take on the added responsibilities of group leader of the Mechanical Support Group, a position Mori also held.

Johnson has been serving as acting head of Research Services since the middle of the year (reported in the July 5, 1979 issue of Ferminews.)

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EMERGENCY SURVIVAL KIT

"It will save your life."

Bob Armstrong, head of security at Fermilab, was quite emphatic about that. Now's the time to prepare the kit and keep it in the car this winter, said Armstrong. Inexpensive to put together and like the one used by the U.S. Air Force and similar to kits recommended by the Automobile Association of America, the kit should contain:

- A couple of small packages of raisins;
- Four or five salted crackers properly wrapped in plastic or wax paper;
- A chocolate candy bar;
- A couple of books of matches, properly wrapped to protect them from moisture;
- Two candles.

Put all of this into an empty two or three pound coffee can and cap it with the plastic lid, said Armstrong. The contents will provide persons with balanced nourishment.

Armstrong also said that a single candle burning in a car--with the window open slightly--will provide enough warmth to keep people alive in bitter cold. The candle also is a source of light. "Keep this inside the vehicle, not in the trunk," said Armstrong.

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YOU MIGHT WANT TO READ

The September-October issue of Mosaic, a publication of the National Science Foundation, contains two articles that are of interest to the Fermilab community.

The first by Arthur Fisher, "Grand Unification: An Elusive Grail," takes the reader on the long journey that leads to the most recent thinking about the subject. Along the way, Fisher writes about the scientists who made major contributions to this most sought after theory.

The other article, "The Neutrino: The 'Little Neutral One,'" by Henry Simmons is offered as a companion piece. It tells where neutrino physics is today. The article also treats some of the active and proposed experiments aimed at learning more about one of nature's most ubiquitous particles.

Copies of these Mosaic articles are available in the Public Information Office, CLL-W.

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FERMILAB COMPLYING WITH FORMAL TEMPERATURE RESTRICTIONS

Fermilab is rigorously complying with the Department of Energy emergency building temperature restrictions regulations that became effective July 16, 1979, said John Paulk, head of Site Services. To most people on site, that means this winter the temperature inside buildings will be no higher than 65°F and hot water will be kept at 105°F. In cooling season, room temperature will be maintained at 78°F.

Paulk said some people will find these altered settings to be uncomfortable. But in winter, discomfort can be minimized if employees and users dress more warmly.

The regulations contain civil penalties of up to \$5,000 and criminal penalties of up to \$10,000, Paulk said. He further said that as a DOE facility, Fermilab will be expected to set an example others can follow. Of course, exceptions to these restrictions will be made but only when properly justified, said Paulk. For example, computer, food and photography, as well as some research facilities require variances to run properly. The use of auxiliary heating devices, such as portable electric heaters and heat lamps, will not be allowed, except under certain conditions, said Paulk.

Site Services and Plant Management personnel have gone throughout the site adjusting thermostats and posting notices of compliance. Paulk asks employees and users not to change settings because it could bring the Laboratory out of compliance.

ALCOHOLIC BEVERAGE RESTRICTIONS

As the holiday season approaches, it is appropriate to remind Fermilab employees, users and visitors that the Laboratory does not permit the serving of alcoholic beverages on the site except at official functions, in residential quarters or at the Users Center.

You may already know that there are several festive occasions now scheduled for Laboratory employees to celebrate the Christmas holidays. These include the Christmas Dance at St. Andrew's Country Club on December 22. Additionally, there will be a Christmas Party with a band at the Village Barn on December 21. The Laboratory will also observe a full holiday on December 24.

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EMERGENCY SNOW INFORMATION

A number of radio stations on both the AM and FM dials will broadcast information about Fermilab closing if the weather is too inclement.

The AM stations are: WGSB, 1480 on the dial; WMRO, 1280; WMAQ, 670; and WFVR, 1580. On the FM dial are WBMX, 103; WAUR, 108; and WKKD, 96.

Rudy Dorner, head of emergency services at Fermilab, recommends that persons listen for emergency information on these stations if they have doubts about the Laboratory being open.

KIDS...IT'S YOUR TURN NOW

Don't make any other plans for the afternoon of Dec. 16.

That's when the children's Christmas party will be held. It'll run from 2 to 4 p.m. in the Central Laboratory cafeteria. Festivities will include two films that begin at 2:30 p.m.: "Christmas on Grandfather's Farm" and "The Christmas Deer."

Then at 3 p.m., Santa Claus arrives with a Christmas stocking for every child age 10 and younger. Punch and cookies will be available in the cafeteria.

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ORATORIO SOCIETY TO PRESENT "ELIJAH"

Downers Grove Oratorio Society will present Mendelssohn's "Elijah" Dec. 9.

The performance will begin at 3:30 p.m. in Downers Grove North High School, Main and Grant. Tickets at \$4 for adults and \$2 for senior citizens and students may be obtained from Jan Ryk, Ext. 3965, a member of the society.

Sherrill Milnes will be the guest conductor.

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TONKIN RETIRES

"Many of my friends have retired and are having the time of their lives," said Stanley C. Tonkin.

He joined them Nov. 30, after having worked at Fermilab since early 1972. And according to Tonkin, he also plans to have the time of his life pursuing his two favorite hobbies: first, aviation, and second, traveling. At the



time he retired, Tonkin was a senior technician with the Proton Department, working on expansion engines and superconducting magnets. When he first came here, he was assigned to the 15-foot bubble chamber.

With his wife, Ethel, Tonkin will resume his travels throughout the country. Already they've been mostly everywhere, including Alaska and Hawaii, said Tonkin. But touring is not really his first love.

Tonkin's enthusiasm jumps unabated when he talks about aviation, a profession, an avocation, a hobby that he's been into for 45 years. In fact, he lives in a house on the Naperville air strip, which is one mile south of the Fox Valley Shopping Center on highway 59. And he can't wait to throw his life more fully into aircraft maintenance--he's been a licensed mechanic since before World War II--and into flight instruction. He's even worked on experimental aircraft, and some of his articles have been published in books on aviation.

For now, the couple will continue to live on the air strip, but eventually they plan to settle at Tablerock Lake in the Ozarks, where they own some property.

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"BELL DE JOUR"

Presented by Fermilab International Film Society

Friday, Dec. 14

8 p.m.

Central Laboratory Auditorium

In this French-Italian film, director Luis Bunuel uses the heroine, Catherine Deneuve, as his means to present his beliefs on the nature of good and evil and on eroticism, love, and morality.

100 minutes

Color

Rated R

Adults, \$1.50