

ANNUAL REPORT OF THE CHAIRMAN
OF THE USERS EXECUTIVE COMMITTEE

L. N. Hand
Cornell University

A number of topics were discussed this year and various recommendations transmitted to the Director's Office. The list which follows is a partial list and is not in any order of importance or time spent.

Housing

Following a severe shortage of on-site housing in the summer of 1975, the Committee spent much time considering alternative ways to finance more housing, through either the refurbishing of farmhouses or the conversion of Village houses. Partially through the Users Executive Committee's efforts, work was authorized on five farmhouses to create a total of eleven new apartments. A plan to allow university contributions to the conversion of a Village house seems feasible and is still under investigation. Finally, several trailers were installed in a special area which was created for the purpose near the Village shops.

Users Center and Recreation

New members were appointed by R. R. Wilson to the Users Center Advisory Committee after consultation with the Users Executive Committee. Alvin Tollestrup is the new chairman of this committee. A severe shortage of capital-improvement funds for the Users Center was noted by the UEC and an additional housing charge of 25 cents per person per night recommended to the Director as a means of creating such a fund. The general opinion was that much work remains to be done to improve the atmosphere of the Center and that having available capital for this purpose was an essential first step. There was also considerable discussion of covering the swimming pool, or adding a tennis court, or other major improvements in the recreational facilities. A widely distributed questionnaire to the Users revealed a lack of support for the covered swimming pool and the project was dropped.

Computer

The Committee continued its efforts, begun some years ago, to aid in the approval of a 7600-level computer for the Laboratory. A letter written to ERDA by Uriel Nauenberg had been very effective in helping to get ERDA priority for this computer in the FY '77 budget, but the item was removed at a later stage. We understand through Senator Percy (Ill.) that the Office of Management and Budget plans to carry out a comprehensive purchase vs. lease analysis for the FY '78 budget.

A presentation was made by Nauenberg to HEPAP in July in favor of adequate computer facilities at Fermilab. There was no apparent disagreement with the statement that Fermilab has about one-sixth the computing capacity of CERN and has a severe shortage of computing facilities for a Laboratory of this size and scope. The UEC regards the next few months as critical and will continue to join the Laboratory in pressing for inclusion of the computer in the FY '78 budget.

It was also recommended by the UEC that the Laboratory revise its policy of free computing and allocate this scarce resource in a careful manner. The recommendation was accepted and a new policy of granting computer time implemented August 2. This includes charging for computer time in excess of the allocated amount to an experiment. The UEC will continue to monitor and discuss the level of these charges and is interested in User opinion on the subject.

ERDA Permission for Soviet-Bloc Visitors

Following an earlier resolution passed unanimously by the UEC, the Chairman wrote to Dr. Seamans of ERDA explaining our view that the policy of ERDA approval for Soviet-Bloc visitors to Fermilab discriminated against high-energy physics with respect to other fields of pure science. The Chairman also investigated in a preliminary way whether the National Academy of Sciences could handle these visits, as is done in other fields. Dr. Seamans' answer was that ERDA does not plan to revise this policy at this time and considered it to be a part of our agreement on technological exchange with the USSR, rather than in the realm of pure science.

Open Minutes

A new policy of mailing the minutes to all the membership was adopted and initially, at least, has been well received.

Energy Doubler/Saver

At many of the meetings the progress of the Energy Doubler/Saver was discussed with R. R. Wilson. The main topic of the November UEC meeting was a series of reports on the technical progress of this project and similar reports figured prominently in the May Annual Users Meeting.

Experimental Areas

Improvements suggested from discussions at the last (1975) Annual Users Meeting were discussed with the Directorate at several meetings and reports from the area subcommittees considered. Details can be found in the minutes. There was little pressure for major changes prior to those needed to make full use of the Doubler, although an exception to this might be the millisecond spill for the neutrino horn. Implementation of the approved neutrino program for the 15-ft bubble chamber was also discussed but no recommendation made.

Drickey Memorial Fund and Lecture

As a memorial to the late Darrell Drickey, former UEC Chairman, the Users Executive Committee recommended establishing a fund to be used to support a yearly "Drickey Memorial Lecture." Through the assistance of the Laboratory, Luis Alvarez gave the first lecture May 14 on the history of accelerators at Berkeley under Lawrence. The lecture was very well attended and we hope to have another one next year. The fund was established by the URA Board of Trustees, and we urge that contributions to this fund be made to URA. Suggestions for other lectures should go to L. Hand (Cornell).

Other Topics

An interesting discussion with George Trilling of Berkeley, PAC Chairman, was held on broad questions concerning the Users and the role of the PAC and other matters. The interested reader is referred to the minutes of specific meetings for more detail.

At the most recent meeting, held August 2, six new members (L. Leipuner, BNL; N. Reay, Ohio State; R. Rubinstein, Fermilab; P. Slattery, Rochester; A. Slaughter, Yale; and R. Yamamoto, MIT) were welcomed to the UEC.

A new Chairman, Donald Reeder from Wisconsin, was elected and J. Pine reappointed Secretary.

Subcommittees and their current members are as follows:

Computer:	Hand, Leipuner, Slattery, Stutte
Bubble Chamber:	Lubatti, Widgoff, Yamamoto
Doubler/Saver and other Future Projects:	Busza, Leipuner, Lubatti, Reay, Slaughter
Housing, Recreation, and Site Improvements:	Reay, Rubinstein, Pine, Sazama
Experimental Areas:	
C-0 -	Busza, Widgoff
Proton -	Hand, Slaughter
Meson -	Pine, Slattery, Rubinstein
Neutrino -	Lubatti, Yamamoto

PROPOSALS RECEIVED DURING AUGUST AND SEPTEMBER 1976

<u>No.</u>	<u>Title</u>	<u>Submitted By</u>
501	Proposal for a Measurement of the Transition Rate for CL(37) to Ar(37) Induced by Muons at Fermilab Energies	K. Lande
502	Search for Monopoles Above the 15-Foot Bubble Chamber	D. F. Bartlett
503	Multiparticle Production in High Energy Pion Nucleus Interactions	T. Ogata
504	A Proposal to Study Inelastic Interactions of π^{\pm} Mesons and Protons with Neon in the 30-Inch Bubble Chamber	U. G. Guljamov V. A. Nikitin
505	A Search for Proton Polarization in Inclusive Production at 300 GeV/c	P. Yamin
506	Cascade Showers Originated in Jet Showers Due to Negative Pions	S. Dake
507	Proposal to Study Channeling at Fermilab	W. Gibson E. Tsyganov

DATES TO REMEMBER

- October 1, 1976 Deadline for receipt of all new proposals and other written materials to be considered at the November meeting of the Program Advisory Committee.
- October 2, 9, and 16, 1976 Prairie seed harvesting at Gensberg-Markham Prairie in Markham and at The Morton Arboretum in Lisle for Fermilab Prairie Restoration Project.
- October 8, 1976 Fermilab Auditorium Arts Series: Simon Estes, Bass-Baritone. Admission \$3.00; tickets available in Guest Office. Performance at 8:30 p. m.
- October 14-15, 1976 Proposal Presentation Meeting.
- November 11-12, 1976 Autumn meeting of the Fermilab Program Advisory Committee.
- November 15, 1976 Deadline for receipt of written materials to be considered at the Multiparticle Spectrometer Workshop.
- December 9-10, 1976 Multiparticle Spectrometer Workshop.

DR. FRANK T. COLE
ACCEL. DIV./ADVANCED PROJECTS
CL-15W
FERMILAB