

SOCIAL EVENTS

It may be a good thing to give a few hundred people a chance of concentrating nine hours a day for six days on scientific problems. It is even better to provide them with a few opportunities for relaxation.

Such was the intention of the Conference organizers and of the Soviet Delegation in planning a few social gatherings to ease the strain of hours of concentration.

On the evening of Sunday 13 September, a reception was held in one of the big hotels in town for those attending the Conference; it gave several hundred guests an opportunity to meet each other.

On Tuesday 15th there was another opportunity of exchanging impression, as the evening had been reserved for a visit to the CERN proton synchrotron, where testing had been interrupted for several hours. About 100 CERN "guides" were at the disposal of the visitors who walked round the 1468 m of concrete tunnels of the big machine before drinking cocktails in the PS Experimental Hall.

On the evening of the 16th, the "Simplon" put out from the Quai du Rhône with 178 Conference visitors on board and

a distinguished guest, Mr. François de Rose, President of the CERN Council.

The evening might have been nothing more than a pleasant social function. It turned out to be most entertaining, thanks to W. Klein's prodigies of mental computing.



Professor C. J. Bakker and Mr. François de Rose, President of the CERN Council, took part in the trip on the Lake of Geneva on 16 September.

CERN Photo

On the evening of Thursday 17th, the Director-General received a large number of distinguished guests. On that occasion the electricians of the "Site and Buildings" Division had most effectively floodlit the house and garden.

The final cocktail party was given by the USSR scientific delegation on Friday 18th.

Synchro-cyclotron to be shut down

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be added on the bottom pole face. As for the target arrangement, the so-called Fermi trolley will be modified in order that targets can be fed through an existing airlock for the probe target, without breaking the vacuum inside the chamber. Later a completely new trolley will be mounted, having its own airlock.

The rearrangement of the experimental apparatus is the province of F. Blythe. A new "window" through which meson particles will be extracted is to be mounted on the back of the vacuum chamber. It will be made of aluminium 2 or 1 mm thick. For protection against radiation during work near the machine a lead curtain 5 cm thick is to be installed to cover the window.

Seven different channels will be laid out through the large, lifting shielding wall on the "neutron" side of the machine instead of the ones shown as A, 1, 2, and 3 on the drawing. They will carry beams of particles from 70 to 200 MeV energy. Fixed and movable lenses will be placed along the channels in order to deviate particles according to their characteristics. Some lenses are to be carried by trolleys. Others are to be positioned on air platforms gliding on special base plates (see "CERN COURIER" No. 2).

The shielding wall 01 erected to stop radiation and particularly neutrons, from straying outside the synchro-cyclotron chamber, will be made thinner in the middle to make room for quadrupole and other lenses. To obviate the eventual lack of protection, the density of the wall will be raised from 3.5 to 5 kg/dm³ with the help of an iron-concrete mixture.

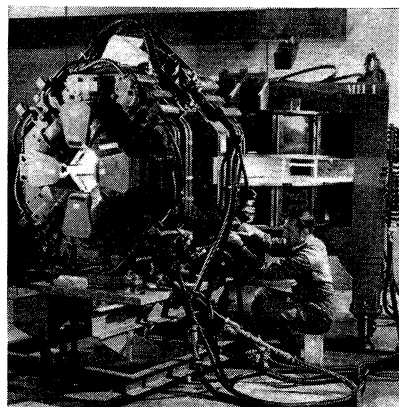
The elevating shielding-wall platform will become unevenly loaded after all the arrangements mentioned have been performed. The incidence of this situa-

tion on the lifting mechanism will have to be taken into account.

The gear required for beam stacking in connexion with the new principle of acceleration developed by Dr. Keller, will not be installed during the shut-down period. However the vacuum chamber will be modified to avoid further extensive work.

The PS survey team is to carry out a survey of the neutron room, the floor of which will be marked with a large grid to help position the channels and instruments.

The "Site and Building" Division will intervene too, to make modifications in the ventilation and lighting system, to prepare additional shielding, to build the extension of the generator room.



CERN Photo

In the SC, Mr. Duval putting the finishing touches to a pair of quadrupole lenses used for deflecting the proton beams.