

conductor processing techniques and a complete change of magnet fabrication methods are to be developed and tested on samples of practical size. Conductor stabilisation philosophies and structural problems have to be reevaluated, corresponding test facilities with adequate background field and cooling installations have to be set up.

Driven by their common interest, three European laboratories: CNEN (Frascati, I), ECN (Petten, NL) and SIN (CH) decided to coordinate their development efforts and to install a common high field force flow test facility at Villigen.

The programme envisages the use of different high field materials (NbSn, NbAl, VaGa) and the development of different conductor manufacturing techniques in collaboration with national industrial companies. Mutual information on structural, cooling and stabilization problems is agreed on. The test facility SULTAN (Supra-leiter Testanlage) is presently under construction. The cryogenic system and supplies are contributed by SIN (Fig. 4). The 6 T outer section of the background solenoid is provided by CNEN, and ECN is responsible for the 8 T 1 m bore inner section.

First conductor loop tests in the new facility are scheduled for mid 81. A later extension of the facility to above 10 T by insert coils made of high field conductors is in preparation. Recently Euratom decided to support the efforts as an important part of its fusion technology programme.

EPS and UNESCO

Agreement has been reached between EPS and UNESCO for our society to be admitted to the Mutual Information Category of Relationship (Category C) as defined under UNESCO's directives concerning relations with international non-governmental organisations.

Conditions which have to be fulfilled for an organisation to be acceptable are that it is working in fields that are relevant to the work of UNESCO, that it concerns people from a number of different countries, that when it covers a particular geographical area, it can be regarded as representative of the relevant activities in that area, and finally that it is run by a representative international body. Clearly EPS fulfills all these conditions in a thorough manner.

Category C

Category C is a loose form of relationship, the essential obligation imposed on the collaborating organisation being limited to providing information to the Director-General of UNESCO on its activities which are relevant to UNESCO's programmes and objectives and to disseminating information to its members on UNESCO's programmes and achievements. No financial contribution is involved.

The principal formal advantages accruing, are the possibility that invitations may

be sent to attend certain of UNESCO's meetings and the access given to UNESCO's documentation.

What is probably of much greater importance is the tidiness that will be introduced into the activities that EPS and UNESCO have been conducting in common for some time, not exactly sub rosa, but without the formal blessing of the organisation. These have concerned two main areas: education, with particular emphasis on the plans to promote teaching abroad through the Lecturer Exchange Scheme, and in the distribution of *Europhysics Education News*; publications: UNESCO twice has been host to European publishers of physics journals at the instigation of EPS.

However, this is only a beginning and now that the relationship has been formalised it is possible that opportunities for collaboration will multiply and there will be a growing area of common activity. UNESCO is not rich, but it does have some funds, particularly for bringing together people from distant parts. Already discussions have been held on how UNESCO might help in preparing the Seminar that the EPS Physics and Society Committee is organizing in Istanbul next year. This would seem to a promising beginning to a relationship that is hoped will be mutually beneficial.

New Individual Ordinary Members of EPS

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