

ENERGY SAVING

The concern of the members of the personnel and the Management with the problems of energy and the efforts made at CERN to save it have already been mentioned in the Weekly Bulletin (see report CERN/DG-7 available from Mrs. E. Durieu, tel. 3704).

The matter is still highly topical. The Organization's annual expenditure on energy, in fact, is of the order of 50 million Swiss francs. Over and above what has already been done and in addition to current campaigns, there is still a great deal of scope for individual effort in the field of rationalisation and energy saving. People who are fully familiar with their equipment are in the best position to make constructive suggestions for savings.

It should be remembered that the Management has made the "Energy Commission", chaired by Mr. Crowley-Milling, responsible for examining any proposals for investments leading to energy savings. The proposals which are accepted will be partly financed from the budget of the Directorate-General. An annual award will be made for the best proposal.

Proposals should be sent to the secretary of the Commission (O. Barbalat, tel. 2621), who will supply any further information required.

It should also be noted that the Technical Training Committee has decided to add to its programme a course entitled "Physical and practical aspects of energy problems" to be given by Mr. Philippe Dind of the Energy Production Institute of the Ecole Polytechnique Fédérale of Lausanne, starting in October 1979. The practical work associated with this course will be directed primarily towards energy saving problems. Visits to installations are also scheduled. Details of the course and the enrolment procedure will be explained in a brochure to be issued by the Technical Training Service at the beginning of June.

TRAINING AND EDUCATION ENSEIGNEMENT

LUNDI 28 MAI

ENSEIGNEMENT

à 16h00 - Amphithéâtre

"Les normes I.S.O."

par Jean-Remy Alessi / Org. Internationale de Normalisation

Cette conférence s'adresse à tout le personnel intéressé. Elle sera donnée en français.

Résumé : La normalisation internationale et le principe de "référence aux normes"; quel usage peut-on en faire dans la pratique, c'est-à-dire au niveau des spécifications, sur les dessins, lors d'appels d'offres, au moment de la commande ou lors de la conclusion de contrats ? Répondre à cette question, tel se veut être l'objet de cet exposé. Après une partie introductive destinée à mieux faire connaître :

- ce qu'est la normalisation, son organisation et son fonctionnement au plan international,
- en quoi consistent les normes,

- quelle est la procédure servant à leur élaboration,

l'exposé sera orienté vers les aspects pratiques de l'utilisation des normes, en particulier dans un environnement tel que le CERN. Il sera suivi d'une discussion.

WEDNESDAY 30 MAY

ACADEMIC TRAINING

at 11.00 hrs - Auditorium

"Ultra-high vacuum science and technology":

"AZÉ2EÉ_22E_BEEÉ_YEEZ_I2" g'' density and YEEY,,E:iea2_surf aces •

History of UHV. Definitions. Interaction of charged particles with residual gas. Interaction of charged particles and of radiation with surfaces.

Lecture 1, by E. Fischer / CERN

THURSDAY 31 MAY

ACADEMIC TRAINING

at 11.00 hrs - Auditorium

"Ultra-high vacuum science and technology":

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Selection of materials and bonding techniques. Demountable seals : flanges and valves.

Lecture 2, by W. Unterlechner / CERN

FRIDAY 1 JUNE

ACADEMIC TRAINING

at 11.00 hrs - Auditorium

"Ultra-high vacuum science and technology":

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Sputter ion pumps, getter pumps, cryopumps.

Lecture 3, by R. Calder / CERN

WEDNESDAY 6, THURSDAY 7 AND FRIDAY 8 JUNE

ACADEMIC TRAINING

at 11.00 hrs - Auditorium

"Ultra-high vacuum science and technology"

by : Wednesday 6 June, C. Benvenuti (Lecture 4)
Thursday 7 June, E. Fischer (Lecture 5)
Friday 8 June, A. Mathewson (Lecture 6)

(For abstract, see next week's Bulletin and notices.)

JEUDI 31 MAI

ENSEIGNEMENT GENERAL

de 13h00 à 13h30 - Amphithéâtre

"Science pour Tous"

par R. Carreras