

SOCIAL SECURITY, INTEGRATION AND REINTEGRATION ADVISORY BOARD (SSIRAB)

The Social Security, Integration and Reintegration Advisory Board (SSIRAB), approved in principle by the Standing Advisory Committee at its meeting on 6 October 1982, has now been set up.

1. The **scope of its activities** includes :

1.1 organization and operation of CERN personnel's social security, covering :

- medical care
- sick benefits (sick leave)
- unemployment benefit
- retirement benefits
- family allowances
- maternity benefits
- disability benefits
- widows' and orphans' benefits
- occupational illnesses and accidents;

1.2 reintegration of members of the personnel leaving the Organization and members of their families into their national social security systems;

1.3 integration of members of the personnel and members of their families into the Host States;

2. Its **terms of reference** are the following :

2.1 through the services concerned, to implement and follow up the general measures drawn up by the Management in the above areas;

2.2 to give an opinion on draft administrative documents (Staff Rules and Regulations, Rules of the Staff Insurance Scheme, Administrative Circulars, Health Insurance Agreement, etc.) regulating matters within the scope of its activities; to ensure in particular that the terminology used in the documents is uniform and that the provisions relating to their application are consistent;

2.3 to carry out studies in the above areas, at the request of the Standing Advisory Committee, on the suggestion of members of the personnel, or from any other source, or on its own account; to draw up recommendations on the basis of these studies;

2.4 to maintain contact with national coordinators for reintegration;

2.5 to report periodically on its activities to the Standing Advisory Committee

3. **Board members** for 1983 are the following :

Messrs. J.F. BARTHELEMY/PE, Chairman

J. CUTHBERT/PE

D. DEKKERS/Staff Association

J.P. DISS/TIS

J. FAESSLER/FI, co-opted by the Board

Ch. FORMAN/CIS *)

J.P. KOUTCHOUK/Staff Association

G. MACLEOD/Management Board of the Staff Insurance Scheme

E. MAQUET/TIS

B. NICOLAI/Staff Association

G. STASSINAKIS/Relations with the Host States

*) will be replaced during the year by :
R. HUGENTOBLER

You are invited to make any suggestions relating to SSIRAB's activities known to any of the Board's members, who are also available to answer questions about these activities, **except those dealt with by CERN services** (e.g. Health Insurance, Insurance Scheme, Claims and Leave Office, etc.).

SEMINARS SEMINAIRES

Monday 7 February

TECHNICAL PRESENTATION

at 11.00 hrs - DD Amphitheatre,
bldg. 31, 3rd floor

System QU 68000

by W. FRIEDRICH / PCS, Munich
and W. VOLLENWEIDER / Digicomp, Zurich

DD Organiser : D. Wiegandt

PCS is a Munich-based manufacturer of small computer systems; they will discuss and demonstrate their 'System QU 68000' - a system which combines three 'world standards':

- Motorola's 68000
- Bell Laboratories' UNIX
- DEC's Q-BUS.

PSC is represented in Switzerland by Digicomp, Zurich. The presentation will last about 75 minutes and there will be an informal discussion at 14.00 hours at the same place.

Tuesday 8 February

SCIENCE AND SOCIETY SEMINAR

at 20.30 hrs - Auditorium

Can nuclear war be controlled?

by Kurt GOTTFRIED / Cornell University

The system that gathers intelligence, and provides commanders with control over nuclear arsenals, will be sketched. The vulnerability of that system to attack will be considered. It will be argued that the system is intrinsically vulnerable, that escalation is dangerously likely, and that the chances for a negotiated termination of a nuclear engagement at an early stage are not good.

AND

Is no-first-use a practical policy for NATO?

by Henry KENDALL / M.I.T.

The existing balance of conventional force between NATO and the Warsaw pact will be summarized, as well as the influence of mobilization on that balance. It will be argued that that balance is such as to allow NATO to adopt a no first use policy in the near future. The measures that would have to precede such a change of policy will be discussed.

Wednesday 9 February

TECHNICAL PRESENTATION

09.00 hrs - 12.00 hrs - Bldg. 13, 2-005

PHILIPS AG (CH/F/NL) will introduce the **PHILIPS FAST LOGIC**:

1. Introduction
2. ECL : survey, product range - ECL 10K - ECL 100K - Advanced customized ECL (ACE) - Product strategy
3. ECL Gate-Arrays - Customer interface - Library of functions - CAD - Products - Prices, availability
4. Discussion

Languages : English or French accordingly

Information : M. Diraison / FI / 4585

THEORETICAL SEMINAR

at 14.00 hrs - TH Conference Room

Rigorous analysis of the three-dimensional U(1) lattice gauge theory and what to learn from it

by G. MACK / University of Hamburg

Mercredi 9 février

CERN COMPUTER SEMINAR (Voir page 1)

at 15.00 hrs*) - Amphithéâtre

Un processeur pour la synthèse musicale en temps réel

par Giuseppe DI GIUGNO / Institut de Recherche et Coordination Acoustique et Musicale (IRCAM), Paris

Les exigences techniques requises pour la synthèse sonore et musicale en temps réel par ordinateur dépassent la capacité des plus puissantes machines. L'IRCAM a donc construit un processeur numérique, le 4X, spécialisé pour l'analyse et la production du son. Ce processeur est modulable, microprogrammable, pipe-lined, et atteint les performances d'une machine sérielle de 200 MIPS. Calculant sur 24 bits en virgule fixe, ce processeur est capable, par exemple, de synthétiser simultanément 1500 oscillateurs complexes à 16 kHz, ou de résoudre 512 équations différentielles du 2^e ordre en 60 microsecondes. Le 4X implémente toutes les techniques connues d'analyse, synthèse et transformations sonores : synthèse additive et soustractive, réverbération, filtrage, FFT, prédiction linéaire, etc. Un logiciel de haut niveau, orienté vers le traitement du signal, est disponible. La versatilité du processeur permet de l'utiliser pour des applications industrielles : reproduction de l'environnement sonore dans les simulateurs de vol ou de navigation sous-marine, décodage de la parole dans les caissons hyperbares en atmosphère d'hélium, traitement d'images. Le 4X sera bientôt produit en série. L'exposé sera illustré d'exemples sonores enregistrés.

*) Après une pause café vers 16h30, des extraits enregistrés d'oeuvres musicales réalisées pour le processeur 4X seront présentés : 'RESPONS' de P. Boulez, 'LIGHT' de T. Machover.

Le mercredi 9 février, à 10h00, une réunion d'information technique sur l'architecture du 4X aura lieu au CERN, à l'Amphithéâtre DD, bâtiment 31, 3^e étage.

(Voir aussi le concert/débat du lundi 7 février.)

Thursday 10 February

CERN COLLOQUIUM

at 16.30 hrs - Auditorium

The growth of complexity in an expanding universe

by H. REEVES / CERN-Saclay

In the Big Bang scenario the organizing properties of matter are built in the interplay between the Hamiltonian of the various forces and the expansion of the universe. The required entropy and binding energies become progressively available according to the behaviour of the Gibbs free energy. Disequilibrium states are provided by the rate of expansion allowing the universe to remain indefinitely above the state of maximum stability, there by opening the way to unlimited growth of complexity.

*) Tea and coffee will be provided at 16.00 hrs.

Monday 14 February

EP SEMINAR

at 17.00 hrs - Auditorium

Study of electroweak interactions

by H. BURKHARDT / CERN-EP

The processes $e^+e^- \rightarrow e^+e^-$, $e^+e^- \rightarrow \mu^+\mu^-$ have been studied to test electro-weak interactions and to search for scalar leptons. The analysis procedure using the TASSO detector at PETRA will be described. Emphasis will be put on a discussion of the systematical uncertainties introduced by the experiment and by radiative corrections.

Wednesday 16 February

PS SEMINAR

at 11.30 hrs - Auditorium PS (bât. 6, 2-024)

The PS complex as an antiproton source

by L. RINOLFI / CERN-PS

TRAINING AND

EDUCATION ENSEIGNEMENT

ENSEIGNEMENT GÉNÉRAL

Tél. 2844

Jeudi 10 février

de 13.00 h à 13.30 h - Amphithéâtre

Science pour tous -

par R. CARRERAS