

Le Comite a pris connaissance d'un rapport detaille sur le modele mathematique utilise pour l'etablissement du bilan technique de la Caisse et a decide de confier a un groupe de travail preside par M. C. Rufer l'etude des parametres retenus en matiere de politique du personnel en vue de leur mise a jour.

Le Comite a examine une proposition d'acquisition d'une propriete a usage industriel et commercial dans la banlieue parisienne et Pa jugee interessante.

Puis il a commence Pexamen de la methode d'adaptation des pensions differees et a pris acte d'une reponse du Directeur General sur la question de la politique de l'Organisation en matiere de departs anticipes.

Le Comite a egalement ete informe du paiement par l'Organisation a la Caisse des interets dus sur les cotisations manquantes et du versement de sa contribution supplementaire de 0,5 % pour l'annee 1984, de l'extinction de la dette de l'Organisation relative aux rachats d'annuites ayant fait suite a la reduction de l'horaire contractuel de 44 a 40 heures et d'un premier versement en diminution de la dette de l'Organisation correspondant a la validation des annees de service au regard des trois premieres etapes du regime des complements de pensions et allocations.

Enfin, le Comite a ete informe de la composition de la Commission de Placement pour 1985 et il a approuve la nomination d'un expert de cette Commission.

La Circulaire n°22
'BONIFICATIONS D'ANNUITES A LA CAISSE
DES PENSIONS EN CAS DE TRAVAIL
PAR ROULEMENT - DEPART AVANCE'
a ete approuvee par le Directeur general et est en instance de publication. Afin d'informer les membres du personnel interesses sur les possibilites qu'elle offre, une reunion aura lieu le

lundi 4 fevrier, a 11.00 h, a l'Amphitheatre.

Vous etes invites a y assister. Si besoin est, une seconde reunion sera organisee pour ceux qui n'auraient pu assister a la premiere.

The Committee took note of a detailed report on the mathematical model used to draw up the Fund's technical balance sheet and decided to set up a working group, under the chairmanship of Mr C. Rufer, to consider and where necessary update the parameters used in relation to staff policy.

The Board also considered a proposal for the purchase of property for industrial and commercial use in the Paris suburbs and found it attractive.

It then started to examine how deferred pensions might be adjusted and took note of the Director-General's reply to the question of the Organization's policy in respect of early departures.

The Board was also informed that the Organization had paid into the Fund both the interest due on the missing contributions and the extra 0.5% contribution for 1984; that the Organization's debt, in connection with the purchase of extra years of membership in the Fund on behalf of staff whose contractual working week had been reduced from 44 to 40 hours, had been settled; and that a first payment had been received to reduce the Organization's debt in connection with the validation of years of service relative to the first three steps of the Complementary Scheme of pensions and allowances.

Finally, the Board was notified of the membership of the Investment Committee for 1985 and approved the appointment of an expert to that Committee.

A TOUS LES MEMBRES DU PERSONNEL
CONTRIBUABLES EN FRANCE - '1 % SOCIAL'

Grace a Paide et a la comprehension du Ministere francais des Relations exterieures et aux efforts de POrganisation, il vient d'etre decide que les dispositions necessaires seraient prises pour que le Gouvernement francais rembourse au CERN 'le 1% social' paye par les membres du personnel residant en France. Il s'agit pour le moment d'une simple communication verbale. Des informations plus detaillees seront donnees des que le texte officiel de la decision francaise sera connu.

SEMINARS
SEMINAIRES

Monday 4 February
PROTON SYNCHROTRON AND
SYNCHRO-CYCLOTRON COMMITTEE

Open session
at 14.00 hrs - Council Chamber

- 1. Information from the Chairman
- 2. Proposal:
Nuclear implantation into cold on line equipment.
Proposal for on line nuclear orientation on
ISOLDES (IPN and IN2P3 Lyon-Leuven-Bonn-
Tech. Univ. Munchen-Gent-CSNSM Orsay-CERN-
Tech. Hogeschool Delft-Praque-Oxford-SERC
Daresbury Lab-CRN Strasbourg; PSCC/85-1/P81;
85-2/S81; N.J. Stone).

- 3. Status report on experiment PS 188 (Measurements of channelling radiation and its polarization x-ray excitation, together with deviations from Landau distributions; Aarhus-CERN-Strasbourg; PSCC/85-4/M210;E. Uggerhoj).
- 4. Progress report on the tests of the DELPHI Barrel RICH counter (DELPHI Collaboration; J. Seguinot, College de France).
- 5. Proposal:
Spectroscopy at LEAR using an internal hydrogen jet target [Annecy (LAPP)-CERN-Genoa-Oslo; PSCC/84-67/P80; 84-687S80; A. SantroniJ.

Closed session
Tuesday 5 February
at 09.00 hrs - 6th floor Conference Room.

Monday 4 February

EP SEMINAR

at 16.30 hrs - Auditorium

Progress in instrumenting the CDF at Fermilab

by M. AT AC / Fermilab

The Collider Detector ofFermilab (CDF) is getting ready to do physics at 2 TeV center-of-mass energy using proton-antiproton collisions. Detector components are constructed and tested. Description of the detectors and some results will be discussed.

Tuesday 5 February

PRESENTATION

at 09.30 hrs - DD Amphitheatre
(bldg. 31, 3rd floor)

Norsk Data's hardware and software products for the scientific/technical market

by Peter BONNE/Manager, Norsk Data,
Central European Marketing
plus members of Norsk Data's Development
Department
(See detailed time-table below)

The presentation will start by an overview of Norsk Data's products relevant for CERN. This will be followed by more detailed information on the latest developments and plans for the near future, given by key people from Norsk Data's R&D Department.

09.30 Norsk Data's hardware and software products for the scientific/technical market

by Peter BONNE/Manager, Central European Marketing

10.45 Status of the ND-500 CPU family, plans and trends (ND-500CX series, workstations, etc.)

by Kare LOCHSEN/Group Leader, CPU Development

11.30 Norsk Data's multiport memory and peripheral systems, status and plans (VME, Fastbus, optical discs, etc.)

by Ernst KRISTIANSEN/Group Leader, memory and interface development

14.00 COSMOS, Norsk Data's communication architecture, status and plans (X.25, coloured books, Ethernet, TCP-IP, etc.)

by Martin STANDLEY/Group Leader, communications software development

14.45 Norsk Data's system software (SINTRAN and UNIX BSD 4.2)

by Knud NORDBYE/Manager, basic system software

15.30 Discussion and questions.

Tuesday 5 February

PRESENTATION

at 14.30 hrs - LEP Auditorium
(bldg. 30, 7th floor)

ELXSI - an expandable computer

by Melvin L. ARENDT/Vice-President,
International sales and marketing, ELXSI, and
Melvin SCOTT / Supervisor of applied
mathematics at Sandia National Laboratories,
Albuquerque

ELXSI, founded in 1979, designs, manufactures and markets the ELXI system 6400 (TM), an expandable, multipurpose 64-bit multiprocessor computer system with capabilities that range from those of a super mini-computer to the largest mainframe. Although it is a general purpose computer, ELXSI is initially focusing on engineering applications requiring very high performance time-sharing, or real-time processing, and applications providing high performance computation support to CAD/CAE design workstations. The ELXSI computer is the first generationless (TM) computer in that its design allows modular expansion to accommodate new technology without replacing the basic machine. At the low end, the smallest system is more powerful than current super minicomputers, and at the other end, is somewhat less powerful than the giant, specialized Cray systems.

Wednesday 6 February

THEORETICAL SEMINAR

at 14.00 hrs - TH Conference Room

A probability measure for parton and string states

by B. ANDERSSON/University of Lund

Basic states for hard processes are described in terms of a string-like force field spanned by the partons. It reproduces perturbative QCD results wherever such results are relevant. It also allows infra-red stable interpolation between perturbative results and a stochastic interpretation.

Mercredi 6 fevrier

CERN COMPUTER SEMINAR

at 16.00 hrs - Amphitheatre*

Systeme expert en diagnostic de panne pour le reacteur nucleaire Super Phenix

par Serge HIMBAUD / GIA, Luminy,
Marseille, et Georges LE GUILLOU / CEA,
Cadarache

Un systeme de contrdle d'une installation industrielle peut surveiller plusieurs centaines de parametres et fournit a la salle de contrdle un flot continu d'informations. Si dans le cas du fonctionnement normal l'operateur peut analyser, comprendre et reagir de maniere adequate, il n'en est pas de me me pour les situations inhabituelles, oil il est submerge par les alarmes. Les techniques de VIntelligence Artificielle, et en particulier les systemes experts, peuvent assister Voperateur dans la prise de decisions. Le but du pro jet presente est de diagnostiquer les pannes eventuelles du Refroidissement Ultime Recours du reacteur nucleaire Super Phenix. C'est une des premieres applications d 'un systeme expert dans le domaine industriel et sans doute l'une des premieres ecrite en PROLOG.

Cafe et the seroitt servis a 15h30.

Serge HIMBAUD est chercheur du Groupe d'Intelligence Artificielle de Luminy a Marseille. Il a obtenu une maitrise de Mathematiques et une maitrise d'Informatique, ainsi qu'un DEA dans le domaine de la reconnaissance de la parole. La these de doctorat qu'il termine actuellement recouvre une partie du projet presente. Georges LE GUILLOU est ingénieur en Genie atomique, docteur en Dynamique de fonctionnement des reacteurs (Grenoble-1971) et il occupe la fonction d'ingenieur specialiste en fonctionnement, controle et

instrumentation, au Commissariat a Penergy atomique, dans le Departement des Reacteurs a neutrons rapides de Cadarache. Depuis 1980 il est en charge d'un programme d'application des methodes de l'Intelligence Artificielle pour le diagnostic et l'aide a l'operateur, en relation etroite avec le GIA de Luminy.

Les conferenciers seront au CERN sur l'invitation du Groupe Controle du PS. Pour tout renseignement, veuillez contacter Alain GAGNAIRE au 5043. Une rencontre avec S. Himbaud avec demonstrations PRO-LOG est prevue pour jeudi 7 fevrier a 10h00 a l'amphitheatre DD.

Friday 8 February

TECHNICAL PRESENTATION

09.30 to 12.00 hrs and 14.00 to 16.00 hrs -
Bldg. 73, room 2-027

REES INSTRUMENTS Ltd* (GB) represented by Reisdorf AG (CH) will be demonstrating : REES R93 standard camera-systems, TRIUMPH** inspection camera with prism-lighting-photo-zoom and rotation module, R400 smallest CCD-camera ever built, REES 330 intrinsically safe camera, REES 93 viewing-systems (additional viewing heads).

* Customers : JET (Joint European Torus), CEGB (Central Electricity Generating Board), etc.

** Television Remote Inspection Unit Multi-Purpose Head.

Languages : English, German
Information : M. Diraison/FI/4585

Vendredi 8 fevrier

PRESENTATION

a 10.00 h - Amphitheatre DD (bat. 31, 3^e et.)

Network Systems Corporation
Presentation des produits de telecommunications

par G. MARTIN/Directeur commercial, et
J.R. PEULVE/Directeur technique

10.00 -11.00 * Hyperchannel (50-200 Mbps)
Hyperbus(10 Mbps)
by G. Martin

11.00-12.00 ** NETEX/BFX
Protocoles
par J.R. Peulve

* Adaptateurs hyperchannel - description - fonctionnement - prolongateurs de canaux - connexion de minis - liaisons - teletraitement a haut debit - satellite - hyperbus - description rapide

** Logiciel de reseau - protocole de bout en bout - NETEX et ISO - BFX pour le transfert de fichiers - soumission de jobs en milieu heterogene.

La presentation sera donnee en francais, mais les questions et clarifications pourront etre en anglais.

Friday 8 February

SPECIAL PS SEMINAR

at 14.30 hrs - PS Auditorium
(bldg. 6, room 2-024)

Status of the damping ring complex for the SLC
by L. RIVKIN/SLAC

A near design intensity beam has been successfully stored in the electron damping ring with no sign of instabilities. The construction of the positron damping ring has been

started. Its design incorporates changes made on the basis of operating experience with the existing damping ring. Results of the recent upgrades of the Injector and Linac are reviewed.

Monday 11 February

EP SEMINAR

at 16.30 hrs - Auditorium

Semiconductor drift chambers

by Emilio GATTI / Politecnico, Milan

Working principles - dynamics of diffusion and drift space and energy resolution for single events in one and two coordinates - time resolution - open problems - future developments.

Tuesday 12 February

LEP MACHINE ADVISORY COMMITTEE

Open session

at 14.00 hrs - LEP Auditorium

14.00 Status report on RF

Copper RF System

by W. SCHNELL

Superconducting RF System

by H. LENGELER

16.00 **Effect of reactive feedback on transverse mode coupling instability**
by S. MYERS

Closed session

Wednesday 13 February at 11.00 hrs - 6th floor
Conference Room, Main building.

Tuesday 12 February

CERN COLLOQUIUM

at 16.30 hrs - Auditorium

The digital optical super computer

by A.W. LOHMANN / University of Erlangen

Wednesday 13 February

PS SEMINAR

at 11.00 hrs - PS Auditorium (bldg. 6, 2-024)

Low beta structures

by A. KLEIN/Institut fur Angewandte Physik,
Frankfurt

Thursday 14 February

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium

Final results on the determination of the electro weak mixing angle from the measurement of the ratio of cross-sections for elastic scattering of muon neutrinos and antineutrinos off electrons

by C. SANTONI / CERN and INFN Sez.
Sanita, Roma (CHARM Collaboration)