

## COMMUNICATIONS **OFFICIELLES**

Les membres du personnel sont censés avoir pris connaissance des communications officielles ci-après.

## **OFFICIAL** NEWS

Members of the personnel shall be deemed to have taken note of the news under this heading

### AVIS AUX MEMBRES DU PERSONNEL RESIDANT EN FRANCE

#### **Païement d'acomptes provisionnels**

A la suite de l'annonce parue dans le bulletin No 22/83 - Communications officielles, voici la réponse que nous avons reçue des autorités fiscales au sujet du paiement des acomptes provisionnels :

'Les fonctionnaires français du CERN ne sont invités à verser des acomptes provisionnels que sur la base de l'impôt sur le revenu qu'ils ont acquitté eux-mêmes (c'est-à-dire provenant de revenus autres que les salaires versés par l'Organisation internationale), et dans la mesure où cette part d'impôt sur le revenu a égalé ou excédé en 1982 la somme de mille francs.'

Ceux qui ont déjà reçu ou vont recevoir un avis d'avoir à payer un acompte doivent donc s'en acquitter avant la date prévue pour ce faire, et le plus tôt possible si cette date est déjà dépassée.

J.-F. Barthélemy / Tél. 3855

### PERMIS DE CONDUIRE DES VEHICULES PERSONNELS PAR DES FONCTIONNAIRES NON FRANCAIS DU CERN DOMICILIES EN FRANCE

Suite au communiqué paru dans le Bulletin 23/83-6.6.83 et en accord avec les autorités françaises, nous invitons les fonctionnaires de ne pas procéder pour le moment à la reconnaissance ou l'échange de leur permis non-français. Ils peuvent continuer jusqu'à nouvel ordre de conduire avec ce permis tous les véhicules immatriculés dans une série spéciale et normale.

Des informations plus complètes vous seront données ultérieurement.

Service des Relations  
avec les Etats-hôtes  
Tél. 5152

## **SEMINARS** **SEMINAIRES**

### **Monday 20 June**

#### **EF SEMINAR**

at 11.00 hrs - EF Conf. Room, bldg. 13, 2-005

**High density projection chamber : new results and developments**

by Ariella CATTAI / Rome-Sanita

### ELEZIONI IN ITALIA

Domenica 26 giugno 1983 avranno luogo le elezioni politiche.

I membri del personale che andranno in Italia per partecipare alle elezioni politiche avranno diritto a 1 giorno di congedo speciale se andranno al nord di Roma e a 2 giorni se andranno a Roma o al sud di Roma.

Come in passato, un documento provante la loro partecipazione alle elezioni dovrà essere presentato alla segretaria della divisione per giustificare la richiesta del congedo speciale.

Dipartimento del Personale  
Tel. 3238

### DRIVING LICENCES FOR VEHICLES BELONGING TO NON-FRENCH MEMBERS OF THE CERN PERSONNEL LIVING IN FRANCE

Further to the Official News item which appeared in Bulletin No 23/83 dated 6.6.83, members of the personnel are reminded that, for the time being, they are not required by the French authorities to exchange or register their foreign driving licences. Until further notice, they are authorized to drive any vehicle with an ordinary or special category registration.

Fuller information will be given in due course.

Relations with the Host States

Tel. 5152

*The development of electromagnetic showers in a High Density Projection Chamber (HPC) has been studied. Basic properties of this new type of multiwire proportional quantameter will be presented, including long drift in confined channels, layout and optimization of the readout chambers and electronics. Results on energy resolution and track reconstruction capabilities will be given.*

## Monday 20 June

### EP SEMINAR

at 17.00 hrs – Auditorium

#### Measurement of Negative pi Meson Polarizability in Pion Compton Effect (Dubna-Serpukhov)

by G.V. MICELMACHER / JINR, Dubna, USSR

*About  $7 \cdot 10^3$  events of Compton effect on pions in the reaction  $\pi^- A \rightarrow \pi^- \gamma A$  were detected and for the first time the charged pion polarizability was obtained as  $(6.8 \pm 1.4) \cdot 10^{-43} \text{ cm}^3$ . The possibility of further investigations of photon-charged pion, photon-charged kaon and photon-neutral pion elastic scattering is discussed.*

## Mardi 21 juin

### PRESENTATION TECHNIQUE

de 09h30 à 16h00 - Bât. 578, Salle R-022

*La maison J.-L. BAVAUD (GE) propose en exposition démonstration : micro-ordinateur portatif EPSON HX-20 (J), ordinateur de bureau MONROE 8820 (USA)/EPSON -J), imprimantes LOGABAX LX 213 (F) et EPSON FX 80, coupleurs acoustiques.*

*Applications : - acquisitions d'informations sur le terrain, communication réseau, mode 'terminal' - pilotage d'instruments de mesures - logiciels divers, traitements de texte, gestion de tableaux chiffrés, systèmes comptables, graphiques.*

Langues : anglais, français, italien.

Renseignements : M. Diraison / FI / 4585.

## Mardi 21 juin

### PRESENTATION TECHNIQUE

de 10h00 à 12h00 - Bât. 13, Salle 2-005

*BS et B SAFETY SYSTEMS Ltd (UK), représenté par Remag AG (CH), propose un séminaire sur les disques de rupture : - données de base, types, caractéristiques, échantillons - définition des disques de rupture, choix du type approprié - démonstration des caractéristiques d'éclatement - protection des soupapes de sécurité, démonstration - réglementation de sécurité, code concernant les disques - discussion.*

Langues : français (anglais, allemand).

Renseignements : M. Diraison / FI / 4585.

## Tuesday 21 June

### PRESENTATION

at 14.15 hrs - DD Amphitheatre  
(Bldg. 31, third floor)

#### The Motorola VME10 Development/Work Station

by D. Rudolf of Motorola, Munich

*The Motorola VME10 development station will be described. It is a 68010 based system with a 68451 Memory*

*Management Unit, 384 Kbytes of RAM, choice of a 6.3 or a 19.1 Mbyte Winchester disc with floppy disc back-up. Expansion is by a VME bus card-cage or by a Motorola I/O Channel sub-bus. The current software environment is VERSADOS with plans for UNIX. The display is monochrome, with colour an option for the near future.*

## Tuesday 21 June

### DD SEMINAR

at 16.15 hrs - DD Amphitheatre  
(Bldg. 31, third floor)

#### Troll : A Relational DBMS and its environment

by M. Kersten, Vrije Univ., Amsterdam

*Troll is a small relational database system available under UNIX and is designed both for the support of the programming language PLAIN and a tool for the construction of integrated programming environments.*

*The first part of this presentation consists of a short historical overview, highlighting the design constraints and its features as compared with contemporary relational systems.*

*In the next part, Troll is looked upon as a tool for the construction of integrated programming environments. A description of the interface of Troll with the programming language PASCAL and C, the data-entry and browsing facility FOCUS, and the rapid interactive dialogue design system RAPID are presented.*

Please note the change of time : 16.15 hours.

## Tuesday 21 June

### CERN COLLOQUIUM

at 16.30 hrs – Auditorium\*

#### The quest for the absolute zero of temperature

by E.G.D. COHEN / Rockefeller University

*The history of low temperature physics and the attempts to reach lower and lower temperatures are sketched. Some of the main personalities and their contributions, from the beginning of the 18th century to the present day, will be discussed.*

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

## Mercredi 22 juin

### PRESENTATION TECHNIQUE

de 09h30 à 12h30 et de 14h00 à 16h00  
Parking PTT, Bât. 63

*WANDEL et GOLTERMANN AG (CH), représentant W et G (D), Howaldtswerke-Deutsche Werft AG (D) et Neuwirth (D) propose en exposition démonstration : - appareils de mesure pour tensions et niveaux, et synthétiseurs, dans les bandes de fréquences BF, MF, HF et VHF (20 Hz à 160 MHz); - appareils de mesure et de simulation pour systèmes de transmission de*

données analogiques et numériques; - appareil d'analyse et de mesure des harmoniques du réseau 50 Hz; - filtre universel programmable; - enregistreur de transitoires; - appareils de mesure pour radiocommunications; - appareils de mesure pour localisation de défauts de câbles.

## Mercredi 22 juin

### PRESENTATION TECHNIQUE

de 10h00 à 16h00 - Bât. 578, Salle R-022

*DIFFUSELEC Sarl (F) propose en exposition démonstration : alimentations à découpage en format simple et double europe multisources, en multisources sur châssis, convertisseurs continu-continu à découpage, alimentations régulées série, alimentations de secours (comprenant chargeur, onduleur, batterie) et réalisations sur demande.*

*Applications : robotique, informatique, électronique, automatisme, équipement électrique.*

Langue : français.

Renseignements : M. Diraison / FI / 4585.

## Wednesday 22 June

### CAS ACCELERATOR SEMINAR

at 14.30 hrs - LEP Auditorium,  
top floor of Bldg. 30

**High energy physics - The search for new acceleration methods**

by M. REISER / Maryland University and GSI Darmstadt

## Wednesday 22 June

### CERN COMPUTER SEMINAR

at 15.00 hrs - Auditorium\*

**ACM SIGGRAPH video review state of the art graphics '82**

**VIDEO PROJECTION**

*The Special Interest Group on Graphics of the Association for Computing Machinery produces every year a videotape collection of interesting examples of computer graphics. A 2 hours selection of the 1982 tapes will be presented, with applications in science, education, publicity with and about computer graphics, and flight simulation for military applications.*

\*There will be a coffee break around 16.00 hrs.

## Jeudi 23 juin

### PRESENTATION TECHNIQUE

de 10h00 à 16h00 - Bât. 578, Salle R-022

*IDIE Téléinformatique Sarl (F) propose en exposition démonstration : imprimante à roue de Triumph-Adler, imprimante, mini imprimante, imprimante matricielle, téléimprimeurs de Manesmann Tally (D) - imprimante de Philips (NL) - terminal portable de Telxon, terminal*

*graphique monochrome de Secapa, modems de CIT-Alcatel (F) - traceurs de courbes et acquisition de données numériques Hipad, Hiplot... de Bausch et Lomb, terminal de conversation et d'acquisition Esprit II de Hazeltine (USA).*

Langue : français

Renseignements : M. Diraison / FI / 4585.

## Thursday 23 June

### PRESENTATION

at 14.00 hrs - DD Amphitheatre  
(Bldg. 31, third floor)

**The digital telephone exchange as an Integrated Business Information System**

by Barry Woodhead, Ian Milne, Stuart Davidson, of Plessey Telecommunications and Office Systems Limited, Nottingham, England

*Plessey Telecommunications is a major contractor for British Telecom's future digital communications network 'System X'. They also design and manufacture private switching systems for voice, text, data, image, telex, teletex and computer access over private and public digital and analogue circuits.*

*The speakers will describe the state of the art in this field and present the Plessey IDX (Integrated Digital Exchange).*

It is hoped to arrange demonstrations in building 31, room 2-014/016 during the days of Wednesday 22 and Thursday 23 - see notices in DD Division (or call B. Evershed, 5031, or S. Larson, 2152).

## Friday 24 June

### PRESENTATION

at 10.00 hrs - DD Amphitheatre  
(Bldg. 31, third floor)

**COSMOS - Norsk Data's Network Architecture**

Karel Dijkman, Group Leader, Communication Software Development, Norsk Data AS, Oslo

*The architecture and implementation of COSMOS will be presented. A description of services available to the user in present and near future releases will be given. If time permits we will take a look at long-term plans.*

*COSMOS covers both Local Area Networks and Wide Area Networks including the interworking between both types. Implementation of the 'X-series' recommendations (X.25-Triple X) and the 'Coloured Books' is under way.*

*The presentation will last about one hour followed by discussions.*

## Friday 24 June

### DD SEMINAR

at 14.00 hrs - DD Amphitheatre,  
bldg. 31, 3<sup>rd</sup> floor

**The Japanese high speed computer project**

by Ken MIURA / Main Frame Division, Fujitsu

*Under the auspices of the Ministry of International Trade and Industry (MITI) a national project was start-*

*ed in January 1982 to develop a high speed computer system for scientific and technical use. The performance target for the final system is 10 Gigaflaps. The project is scheduled to be completed in 1989/90.*

*The speaker will outline the project, summarize the current level of development in super computers and related technologies in Japan. He will also describe the project's activities in 1982/83, mainly in the area of the architecture and applications.*

## **Tuesday 28 June**

### **CERN COLLOQUIUM**

at 16.30 hrs - Auditorium

#### **The Role of Weak Interactions in Stellar Collapse and Supernovae Explosions**

by W. Hillebrandt / MPI, Garching

## **Wednesday 29 June**

### **PS SEMINAR**

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

#### **A Procedure for the Design of Space Charge Limited High Intensity Synchrotrons**

by K.H. Reich

## **Wednesday 29 June**

### **SPECIAL SEMINAR**

at 16.30 hrs - Auditorium

#### **Energy Loss of Slowly Moving Magnetic Monopoles in Matter**

by Sidney D. Drell / SLAC

## **Thursday 30 June**

### **PRESENTATION**

at 11.00 hrs - DD Amphitheatre  
(Bldg. 31, third floor)

#### **The PLATO-Stand-alone authoring system : a new approach to training**

by M. Blanc, Control Data (Suisse) SA

## **Thursday 30 June**

### **CERN COLLOQUIUM**

at 16.30 hrs - Auditorium

#### **Coherence and Chaos in Nonlinear Dynamical Systems**

by F.T. Arecchi / Istituto Nazionale di Ottica and University of Florence

## **TRAINING AND EDUCATION ENSEIGNEMENT**

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### **ENSEIGNEMENT GÉNÉRAL**

**Tél. 2844**

#### **Jeudi 23 juin**

de 13.00 h à 13.30 h – Amphithéâtre

**Science pour tous –**

by R. CARRERAS

### **ACADEMIC TRAINING**

**Tel. 2844**

#### **21, 22, 23, and 24 June**

at 11.00 hrs – Auditorium

#### **The physics incorporated into computer programs for accelerator design**

by E. KEIL / CERN

Lectures 1 to 4

(For abstract, see Bulletin No 24/83)

## **INFORMATIONS**

## **GENERALES**

## **GENERAL INFORMATION**

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### **ELECTRONIC DIARY REMINDER**

The information on seminars, meetings, etc. received for publication in the Weekly Bulletin is now also available on computer terminals through the WYLBUR system. Users should log on and key in HELP SEMINAR for further information on this new feature.

### **ON RECHERCHE...**

Nous cherchons 2 bobines d'aimant MBW (6,50 m de longueur, 800 kg). Toutes les personnes susceptibles de nous donner des renseignements, si minimes soient-ils, sur leur(s) lieu(x) de stockage (actuel ou successifs depuis 1975), sont priées d'appeler les No 5385, 5321, 2624. D'avance, merci.