

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

SERVICE RESTREINT DES RESTAURANTS LE WEEK-END DE L'ASCENSION –RAPPEL

Le jeudi 20 mai 1982 (Ascension) les restaurants et cafétérias sur le site seront fermés, à l'exception d'un service restreint au Restaurant No 2 (Tortella - Bâtiment 504) de 07h30 à 20h00 (restauration chaude de 11h30 à 14h00 et de 18h00 à 19h30).

Pour des raisons techniques le Restaurant No 1 (Coop - Bâtiment 501) ainsi que le bar, seront *fermés le vendredi 21 mai*. Les Restaurants Nos 2 et 3, le kiosque et les cafétérias de divisions fonctionneront normalement.

Réouverture du Restaurant No 1 *le samedi 22 mai à 08h00*.

Département du Personnel
Tél. 3189 / 3962

LIMITED RESTAURANT SERVICE AT ASCENSION WEEK-END –REMINDER

On Thursday 20 May 1982 (Ascension Day), the restaurants and cafeterias at CERN will be closed, except for a limited service at Restaurant No 2 (Tortella - Building 504) from 07.30 hrs to 20.00 hrs, with hot meals available from 11.30 hrs to 14.00 hrs and from 18.00 hrs to 19.30 hrs.

For technical reasons, Restaurant No 1 (Co-op - Building 501), together with the bar, will be *closed on Friday 21 May*. Restaurants Nos 2 and 3, the kiosk and the cafeterias in Divisions will operate normally.

Services will begin again in Restaurant No 1 *on Saturday 22 May at 08.00 hrs*.

Personnel Department
Tel. 3189 / 3962

SEMINARS **SEMINAIRES**

Lundi 17 Mai

SEMINAIRE EF

à 11h00 – Salle de conférence EF
(Bâtiment 13/2-005)

Introduction à l'utilisation des microprocesseurs
par W. Von Rüden

Le développement rapide des microprocesseurs et du matériel associé, ainsi que la chute constante des prix pendant les dernières années sont à l'origine d'un nombre croissant d'applications dans tous les domaines techniques et dans la vie quotidienne. Cela n'est pas resté sans influence sur notre travail et le sera davantage dans le futur. Le séminaire essaiera de montrer comment accéder à cette nouvelle technologie dans le cadre du CERN.

Tuesday 18 and Wednesday 19 May

LEP EXPERIMENTS COMMITTEE (LEPC)

Second Meeting

Tuesday 18 May : Open Session

at 10.30 hrs – Auditorium

- Information from the Director-General.
- Physics with LEP : J. Ellis, R. Peccei.

Tuesday 18 May afternoon and Wednesday 19 May : Closed Session.

Tuesday 18 May

SPECIAL SEMINAR

09.00 hrs/17.30 hrs – Council Chamber

FASTBUS information meeting

After some years of close collaboration between representatives of Physics laboratories throughout the world the specification of FASTBUS, a new standard for high speed data acquisition for high energy physics and other applications, is in its concluding stages. At present an extensive and coherent program of prototyping is under way and the first FASTBUS system will soon be operational in CERN at EMC. The time has now come to take advantage of FASTBUS in your experiments. This is true for those using the present accelerators, but particularly so for the LEP experiments in preparation.

To inform you on the FASTBUS hardware and software specifications and to report on the first designs and implementations at CERN, a meeting is being organized of which the programme is given below.

– Opening remarks

(E. Gabathuler)

– Introduction to FASTBUS

(H. Verweij)

– Specification, hardware aspects

(P. Ponting)

Coffee and demonstration

– Specification, segment interconnections, cable segments

(L. Pregernig)

– Specification, software aspects

(E. Rimmer)

Lunch

– Interfacing CAMAC to FASTBUS

(E. Rimmer)

– FASTBUS pilot project at CERN

(R. Dobinson)

– Trigger system in pilot project

(L. Gustafsson)

– General purpose F.B. system devices

(H. Müller)

Tea and demonstration

– FASTBUS activities in other laboratories (Europe and US)

(H. Foeth)

– Getting started with FASTBUS

(H. Verweij)

PRESENTATION TECHNIQUE

10h00/16h30 – Salle 1-007, Bât. 17

OLIVETTI SA (CH/I) propose en exposition-démonstration : *WS 580*, terminal de communication ASCII Asynch. avec écran 1910 caractères combiné avec imprimante (3 modèles)...; *TC 1300*, Terminal Remote Stand-Alone, modulaire, préprogrammable (EPROM), on-line possible...; *P 6066* Mini-ordinateur modulaire pour applications techniques et scientifiques programmables en Basic et Assembleur, divers périphériques...; *M 20*, Micro-ordinateur professionnel CP 11 128 KB RAM (16 bits), mini floppy

disk, video 12" monochrome ou couleur...; *M30-M40*, nouvelle ligne L-1 de miniordinateurs de gestion ou scientifiques pour le traitement des données décentralisées ou saisie des données, mono ou multi-clavier, microprocesseur Z 8000 (16 bits), CPU 512 KB à IMB...

Langue : Français.

Renseignements : M. Diraison / FI / 4585.

CERN COLLOQUIUM

at 16.30 hrs – Auditorium *

Scientists in the arms race and in disarmament

by E. Broda / Vienna University

An estimate of the number of scientists involved in the arms race is difficult – perhaps 40% of the total. World spending on arms R & D may be \$ 50 billion yearly. Scientists not only fulfil orders, but they show initiative and invent ever more fearsome weapons. They are motivated not only by their view of patriotic duty, but generally they enjoy their work, standard of life, prestige. A scientists' strike against weapons work is wishful thinking. A few worked for disarmament and peace, including Einstein, Russell, Bohr, Joliot, Powell. Many concerned scientists are now active in the Pugwash movement. The role of such scientists in the education of the public and in the advice to governments is enormous, but could be far greater still.

* Tea and coffee at 16.00 hrs.

Wednesday 19 May

THEORETICAL SEMINAR

at 14.00 hrs – Theory Conference Room

Hadron spectroscopy in lattice QCD

R. Petronzio / CERN

The results for hadron spectroscopy obtained by a Monte Carlo simulation of lattice QCD are presented. The general pattern is in agreement, within the estimated errors, with the experimental data. The present limitations of the method are discussed in detail and the prospects for future applications are reviewed.

DD SEMINAR

at 16.00 hrs – DD Auditorium

(Building 31, 3rd floor)

Applications to superconducting Josephson junctions

by D.F. Moore / IBM Zürich Research Lab.

Computer-aided design in conjunction with electron-beam lithography has been applied to evaluate in a short period of time the potential of some experimental digital and analog superconducting devices. For example, the limits to miniaturization of the single flux quantum memory cells proposed for computer applications have been explored, and a fast sampling circuit using high current-density junctions formed on the edges of Nb films has been investigated.

Monday 24 May

EP SEMINAR

at 17.00 hrs – Auditorium
Quark and gluon jets at the ISR
by W.M. Geist / CERN

Tuesday 25, Wednesday 26 and Thursday 27 May

SPS EXPERIMENTS COMMITTEE

Open Session – Tuesday 25 May
at 09.00 hrs – Auditorium

1. Status Report on NA25 (Study of Charm and β -Particle Production Using a Holographic Bubble Chamber ; S. Tavernier).
2. Proposal to Add a Ring Image Cerenkov to Omega Omega-Photon Collaboration (WA69): Bonn – Lancaster – Manchester – Rutherford – Sheffield; P. Sharp; SPSC/82-34/P 140 Add.3 .

Closed Session – Wednesday 26 and Thursday 27 May

at 09.00 hrs – Sixth Floor Conference Room,
Administration Building

Tuesday 25 May

CERN COLLOQUIUM

at 16.30 hrs – Auditorium
Wolfgang Pauli and philosophy
by K.V. Laurikainen / Helsinki Univ. and CERN

Wednesday 26 May

LEP PROJECT COMMITTEE

at 14.30 hrs – ISR Auditorium
(Building 30, 7th floor)
Radiation protection system for LEP
by K. Goebel

Thursday 27 May

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium
Supersymmetry, Strings, and the Unification of
Fundamental Interactions
by John H. Schwarz / California Inst. of Techno-
logy, Pasadena

TRAINING AND **EDUCATION** **ENSEIGNEMENT**

ACADEMIC TRAINING (Tel. 2844)

Mercredi 19 Mai

11h00/12h00 – Amphithéâtre

La motivation physique de quelques expériences
au CERN. Présentation pour ingénieurs et
physiciens appliqués.

par J.P. Lagnaux / FNRS, Bruxelles

(Leçon 2)

Mercredi 26 Mai

11h00/12h00 – Amphithéâtre

(Leçon 3).

INFORMATIONS **GENERALES** **GENERAL INFORMATION**

TRAVAUX SUR ROUTES ET PARKINGS DES SITES

Divers chantiers de réfection des chaussées et
d'application des peintures de signalisation routière sont
prévus à partir du 17 mai 1982. L'exécution des travaux
dépendra des conditions atmosphériques.

La circulation subira quelques perturbations. Les
usagers devront redoubler de prudence et se conformer à
la signalisation provisoire mise en place.

Zones concernées :

- Parking No 411 situé à l'Ouest des Bâtiments
6-8-9-10 : l'accès y sera interdit; signalisation par des
barrières mobiles.
- Route Pauli – Carrefour Route Démocrite, partie
droite de la chaussée dans le sens Nord-Sud : la circula-
tion sera détournée par la Route Einstein.
- Parking, côté Nord du Bâtiment 56 : l'accès y sera
interdit; signalisation par des barrières.
- Réfection générale des peintures de signalisation
routière sur l'ensemble des deux Sites.

Division SB / Groupe EM
Génie Civil