

# 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

## NEW COMPUTER CO-ORDINATOR

Dr. M. Metcalf (DD Division) will assume the functions of Computer Co-ordinator for the period starting 1 October 1977 and extending up to February 1979.

L. Van Hove /  
Research Director-General

## EXTENSION OF SC CO-ORDINATOR

Dr. G. Tibell (EP Division) will assume the functions of SC Co-ordinator for a further period of one year, i.e. until 20 September 1978.

L. Van Hove /  
Research Director-General

## EXECUTIVE BOARD

At its 27th Meeting, on Thursday, 25 August 1977, the Executive Board approved the Capital Project 'Replacement of the PS magnet power supply rectifiers' (PS).

It then discussed two drafts which are intended to give clarification to the members of personnel as regards their participation in national elections and the expression of personal views on matters not connected with their work as members of the Organization.

The Board finally agreed that the terms of reference and the membership of the Stores Users Committee should be reviewed. It approved the appointment of B. Milman as new Chairman of this Committee for a period of one year.

## COMMISSION EXECUTIVE

A sa vingt-septième réunion, le jeudi 25 août 1977, la Commission exécutive a approuvé le projet d'équipement "Remplacement des redresseurs de l'alimentation des aimants du PS" (PS).

La Commission a examiné ensuite deux projets de documents visant à apporter des éclaircissements aux membres du personnel en ce qui concerne leur participation aux élections nationales, ainsi que l'expression d'opinions personnelles sur des sujets sans lien avec leurs activités au sein de l'Organisation.

Enfin, la Commission a convenu que le mandat et la composition du Comité des Utilisateurs des Magasins seraient réexaminés. Elle a approuvé la nomination de B. Milman en qualité de nouveau Président de ce Comité pour une période d'un an.

# **SEMINARS** **SEMINAIRES**

## MONDAY 19, TUESDAY 20 SEPTEMBER

### PS COMMITTEE

- I - Open Session on Monday 19 September  
at 14.30 hrs - Auditorium
1. Introductory remarks by Prof. L. Van Hove.
  2. Status report on the tests of S142, presented by E. Klempt.
  3. Proposal : Strange dibaryon systems by CERN-Rome-Saclay-Vanderbilt Collaboration (CERN/PSC/77-36/P8), presented by E. Pauli.

- II - Closed Session on Tuesday 20 September  
at 9.00 hrs - EP Conference Room

## MONDAY 19 SEPTEMBER

### WORKSHOP ON FUTURE ISR PHYSICS

(last plenary session-see Weekly Bulletin 37/77)  
at 9.00 hrs - ISR Auditorium  
"Large cross-section reactions (&ns physics)".

## DD SEMINAR

at 16.00 hrs - DD Conference Room  
(Bldg. 31 - 3rd floor)

"INDEX, a digital 'Telephone Exchange' system for terminals"

by H. Slettenhaar / CERN

*Abstract : INDEX, INdependent Digital EXchange is a system which provides flexible access to the CERN central computers from terminals located around the CERN site. Digital circuit switching is used to provide a practical solution to the problems presented by the specific situation at CERN. This is made possible by the fact that CERN has a private cable network and may operate independently from the PTT. A completely transparent switching without any code or speed restrictions up to 9600 bps is provided. The talk will cover the present state of the project and future plans.*

## CERN NUCLEAR PHYSICS SEMINAR

at 16.00 hrs - Theory Conference Room

"Mesomolecular processes in hydrogen isotope mixtures"

by L.I. Ponomarev / JINR

*Abstract : The method of calculating the different reaction rates in the three body system with Coulomb interaction is developed and applied to the mesomolecular processes. Special attention is paid to the resonant  $\mu$ -molecules formation and following fusion of nuclei in deuterium and in a mixture of deuterium and tritium.*

## TUESDAY 20 SEPTEMBER

### SC COMMITTEE

#### I - Open Session

at 09.30 hrs - Council Chamber

Provisional agenda :

1. Introductory remarks by Prof. L. Van Hove.
2. Proposals :
  - "Search for  $\pi^+$  and  $K^+$  mesons with the  $^3\text{He}$  beam at the CERN SC" (Cagliari-Strasbourg-Turin Collaboration) (CERN/SCC/77-19);
  - "Impurity trapping of positive muons in metals" (Uppsala-CERN-Geneva-Jülich Collaboration) (CERN/SCC/77-20).
3. Status reports on experiments in progress.

#### II - Closed Session

at 14.30 hrs - 6th Floor Conf. Room  
(Administration Building).

### CERN COMPUTER SEMINAR

at 14.00 hrs - Council Chamber

"System R - relational approach to database management"

by W.F. King / IBM, San José, California

*Abstract : System R is a database management system which provides a high level relational data interface. The system provides a high level of data independence by isolating the end user as much as possible from underlying storage structures. The system permits definition of a variety of relational views on common underlying data. Data control features are provided, including authorization, integrity assertions, triggered transactions, a logging and recovery subsystem, and facilities for maintaining data consistency in a shared update environment.*

## WEDNESDAY 21, THURSDAY 22 SEPTEMBER

### ISR COMMITTEE

#### I - Open Session (Special Session)

Wednesday 21 September - Auditorium

Concluding report of the second session of the Workshop on Future ISR Physics :

- 10.00 - 11.00 Present trends in the theory of hadrons  
by M. Gell-Mann / California Inst. of Technology

11.15 - 12.30 Physics with antiprotons at the ISR  
by C. Rubbia / CERN

12.30 - 14.00 Lunch break

14.00 - 15.00 Large  $p_t$  reactions  
by G. Flügge / DESY

15.00 - 16.00 Large cross-section reactions  
by G. Bellettini / Pisa

16.00 - 16.30 Coffee break

16.30 - 17.30 Lepton pair production  
by W. Willis / CERN

#### II - Closed Session - Thursday 22 September

at 14.30 hrs - 6th Floor Conf. Room  
(Administration Building).

## WEDNESDAY 21 SEPTEMBER

### DD SEMINAR

at 16.00 hrs - DD Conference Room  
(Bldg.31 - 3rd floor)

"The NAMELESS project revisited"

by E. Pagiola / CERN

*Abstract : The NAMELESS PROJECT (for lack of a better name) was developed in 1974-1975 to analyze interactively multidimensional data with the help of a dynamic graphic display, then a FERRANTI ARGUS. Reinstalled on the CDC 6500 for use with TEKTRONIX graphic displays, it has since collapsed under the inadequacy of host computer and terminal. In the attempt to reverse the outcome by reducing the interpretive overhead, the commands to the NAMELESS PROJECT have been extended and recast as statements to an ad hoc compiler, resulting in a compact and rich language which includes vector and matrix arithmetics, block structure and some form of memory management.*

## THURSDAY 22 SEPTEMBER

### CERN ENERGY SEMINAR (General level)

at 16.00 hrs - Auditorium

"Energy research programme of the Federal Republic of Germany"

by Dr. Schröter / Bundesministerium für Forschung und Technologie, Federal Republic of Germany

*Abstract : General questions of energy research policy arise and can be attacked only in a global and then national context; they are moreover dependent on history, tradition and the political environment. The official German policy as determined by such considerations will be described in terms of the 'Four Year Plan for Energy Research and Technology', announced in April 1977 and setting the following priorities : i) rational use of energy; ii) coal technology; iii) alternative energy sources; iv) nuclear energy.*

FRIDAY 23 SEPTEMBER

CERN COMPUTER SEMINAR

at 14.00 hrs - Council Chamber

"Optimal utilization of supercomputers"

by J.M. Levesque / Computer Science Dept.,  
R. & D. Associates, California

*Abstract : This seminar will discuss a new trend in programming for large scientific computers with a 'vector' processing capability. The programming technique, called vectorization, consists of structuring programs to take advantage of the increased performance offered by use of multiple segmented functional units. In addition to analyzing the specific characteristics of this new programming style, the Vectorizer, a software package which has significantly aided the vectorization process, is discussed. Results of applying this technique to the CDC 7600, CRAY 1 and ILLIAC IV are given.*

MONDAY 26 SEPTEMBER

SPS SEMINAR

at 14.00 hrs - Auditorium

"Status report on the SPS as a source of protons for physics"

by B. de Raad / CERN

*Abstract : The lecture is mainly intended to update the knowledge of the users concerning the performance of the SPS as a source of protons for physics experiments. After a brief summary of the main characteristics of the SPS, it will concentrate on a discussion of the present intensity, acceleration cycles and types of extractions of the SPS and also give some tentative predictions for next year.*

WEDNESDAY 28 SEPTEMBER

CERN ENERGY SEMINAR (Technical level)

at 16.30 hrs - Theory Conference Room

"Explosion risks of fast breeders"

by W. Nahm / CERN

THURSDAY 29 SEPTEMBER

CERN COLLOQUIUM

at 16.30 hrs - Auditorium

"Black holes, gravitational waves and solar system tests"

by R.U. Sexl / CERN - Univ. of Vienna

INFORMATIONS

**GENERALES**

**GENERAL INFORMATION**

25 ANS AU CERN

Les membres du personnel suivants célèbrent cette année le 25ème anniversaire de leur entrée en fonctions au CERN :

E. de Modzelewska  
B. Hedin  
J. Leroux .

F. Bonaudi  
F. Krienien

25 YEARS AT CERN

The following staff members celebrate this year their 25th anniversary of service at CERN:

E. de Modzelewska  
B. Hedin  
J. Leroux.

F. Bonaudi  
F. Krienien

DEMANDE D'ENSEIGNANTS BENEVOLES

Des enfants francophones âgés de 10 ans environ, fréquentant les écoles élémentaires de St-Genis-Pouilly et de Ferney-Voltaire se sont inscrits nombreux pour apprendre respectivement l'anglais et l'allemand.

Y a-t-il des personnes qualifiées pour cet enseignement d'initiation à une langue étrangère qui seraient disposées à y consacrer régulièrement quelques heures par semaine, sur la base du bénévolat ?

Les volontaires sont priés de se faire connaître en envoyant les informations suivantes: nom, adresse, numéro de téléphone, langue maternelle et qualifications, au CERN, Secrétariat des Affaires sociales, qui transmettra aux organisateurs.

Division du Personnel

ON RECHERCHE ...

La personne qui a reçu par erreur un carton postal No. 181 de 3 kg, contenant  
1 PMF 11 Blackplans  
1 PM 920 Unibue Jumper  
de la maison Plessey Memories, est priée de téléphoner à la Réception - (Tél. 4583) - M. Schellenberg.

CLEANING AND LAUNDRY SERVICES - *Reminder*

All the cleaning and laundry services and the miscellaneous clothing stores have now been transferred to building No 570 (ref. J 1 on the plan in the telephone directory). The entrance is in Einstein Road.

CERN CHOIR AND ORCHESTRA

Rehearsals for the Christmas Concert start on Wednesday, September 21, at 8 p.m. in the CERN Auditorium. Bill LUGG will prepare Haydn's Theresa Mass with us. Newcomers welcome !