

certain points of principle and then examined a number of drafting amendments to the text of the procedure.

Personal copies of the implementation procedure will shortly be sent to CERN staff members with a covering letter from the Director-General setting out the aims of the programme, explaining the context in which it is being implemented and encouraging staff members to take part in it.

2. Administrative Circular no 26

It was agreed that the SCC Sub-group on the revision of the Staff Rules and Regulations and Administrative Circulars would continue to examine amendments to Circular No. 26, relating in particular to the introduction of a procedure for re-establishing performance levels and to the assessment of supervisors in their supervisory capacity. The Sub-group will also address the issue of work assessment criteria that are adapted to the various possible decisions in the framework of annual step advancement.

The next SCC meeting will be held on 3 September 1997.

SEMINARS SEMINAIRES

IT TRAINING PROGRAMME IN AUGUST

Our Training Programme continues in August 1997 with a series of UNIX-related topics.

In order to continue to schedule tutorials on the subjects you want, we have prepared a short questionnaire which we would like you to fill in and return to us. You will find a pointer to this questionnaire in our Training Web Page at URL:

<http://wwwinfo.cern.ch/support/training>

Please help us by answering this questionnaire, or send your suggestions to the following address:

IT-Training.Service@cern.ch

Miguel Marquina, Raul Ramos-Pollan
User Support - IT Division

Tentative Schedule

Tue, Aug 26 Introduction to Emacs

Please check the weekly schedule at every bulletin for more information

Monday* 25 August

CERN COLLOQUIUM

at 16.30 hrs – Auditorium**

The stratospheric ozone hole : a man-caused chemical instability

by Paul J. CRUTZEN / Max-Planck Institute for Chemistry, Mainz; Nobel Prize for Chemistry 1995.

The discovery of the spring time stratospheric ozone hole by scientists of the British Antarctic Survey, led by Joe Farman, was one of the greatest surprises in the history of the atmospheric sciences and global change studies. After intensive research efforts by many international scientific teams it has clearly been demonstrated that the observed

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Pour de plus amples informations, prière de consulter
For full information on these seminars, please see
<http://wwwas.cern.ch/Bulletin/Seminars/current.html>

rapid ozone depletions are due to catalytic reactions involving ClO radicals, more than 80% of which are produced by the photochemical breakdown of the industrial chlorofluorocarbon (CFC) gases. In this lecture I will present the course of events leading to the rapid ozone depletions. International agreements have been reached to forbid the production of the CFC gases. However, despite these measures, it will take almost 50 years before the ozone hole will have disappeared. I will also show that mankind has indeed been very lucky and that things could have been far worse.

* Please note unusual day

**Tea & coffee will be served at 16.00 hrs.

Tuesday 26 August

IT TRAINING TUTORIAL

14.00-16.00 hrs – IT Auditorium, bld. 31/3-004

Introduction to Emacs

by Philippe DEFERT / CERN-IT

This lecture of the **emacs** editor will cover the basic terminology, explain how commands are issued, and will show how to insert, delete and change text, how to search for strings, how to handle files and how **emacs** backs up work to help you recover from your and system errors.

Wednesday 27 August

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference room

New Phenomena in Four-Dimensional Supersymmetric Gauge Theories

by Mike DOUGLAS / Rutgers University

Thanks to the efforts of many theoretical physicists, building

on results from supersymmetry, superstring theory, supergravity and the breakthrough work of Seiberg and Witten, our understanding of supersymmetric gauge theory has advanced dramatically over the past three years. In this talk we give an introduction to two directions of research: the understanding of confinement, and the discovery of novel classes of superconformal theories in four dimensions.

Thursday 28 August

THEORY DIVISION THURSDAY SEMINAR

at 14.00 hrs – TH Conference Room

Boundary state description of D-branes

by Paolo Di Vecchia / Niels Bohr Institute

We construct a boundary state in the perturbative string formalism that provides a description of a D-brane. We then use it for computing its properties such as, for instance, its tension and its interaction with other D-branes. We finally show how the boundary state is intimately connected to the corresponding classical solution of the string low-energy effective action. We discuss both the case of a single D-brane and that of bound states of two D-branes.

Thursday 28 August

SL SEMINAR

at 16.00 hrs – SL Auditorium, Prévessin, bldg. 864

Future Hadron Colliders

by Eberhard KEIL / CERN-SL

Plans for future hadron colliders are presented, and accelerator physics and engineering aspects common to these machines are discussed. The Tevatron is presented first, starting with a summary of the achievements in Run IB which finished in 1995, followed by performance predictions for Run II which will start in 1999, and the TeV33 project, aiming for a peak luminosity around $1 \text{ nb}^{-1} \text{ s}^{-1}$. The next machine is the Large Hadron Collider LHC at CERN, planned to come into operation in 2005. The last set of machines are Very Large Hadron Colliders which might be constructed after the LHC. Three variants are presented: Two machines with a beam energy of 50 TeV, and dipole fields of 1.8 and 12.6 T in the arcs, and a machine with 100 TeV and 12 T. The discussion of accelerator physics aspects includes the beam-beam effect, bunch spacing and parasitic collisions, and the crossing angle. The discussion of the engineering aspects covers synchrotron radiation and stored energy in the beams, the power in the debris of the particle collisions, ground motion, and concepts for reducing the cost per TeV of future hadron colliders.

Please note that the SPSC meeting scheduled for 2-3 September 1997 has been CANCELLED. The next SPSC meeting will be on 28-29 October.

Tuesday 2 September

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium*

Highlights of the 1997 EPS conference

by Joachim MNICH / CERN-PPE

*Tea & coffee will be served at 16.00 hrs.

Wednesday 3 September

TECHNICAL PRESENTATION

09.30 - 17.00hrs – Exhibition Bus, parking Bat. 252

Gas Analysis - Products of Servomex Group

by Dr. M. Müller AG (e-mail: marino@muellerag.ch)
Rep. Servomex Group Ltd.

Language: English, French, German

Information: L. Abel /SPL/79561

Wednesday 3 September

COMPUTING SEMINAR

at 16.00hrs – IT Auditorium(former CN), bldg 31/3-005

Presenting the Web Office

Web Office Members /IT/WO

Organiser: G.Folger / IT

Jeudi 4 septembre

PRÉSENTATION TECHNIQUE

09.30 - 17.00 hrs – Bât. 13/3-005

Analyseurs de gaz par chromatographie

par M. Rikir - ORTHODYNE (Belgique)

Langue: français, anglais

Information: L. Abel /SPL-PS / 79561

Thursday 4 September

LHC TECHNICAL SEMINAR

at 16.00 hrs – LHC Auditorium, bld. 30/7th floor

Highlights from the CEC/ICMC'97 Conference, 28th July - 1st August, Portland

Seminar coordinator: G. Vandoni /LHC

Thursday 4 September

SCIENCE AND SOCIETY SEMINAR

at 16.30 hrs – Auditorium*

From Genes to Genomes - Chances and boundaries of the New Biology

by Ernst-Ludwig WINNACKER / Institut für Biochemie, München

*Tea & coffee will be served at 16.00 hrs.

Friday 5 September

IT TRAINING TUTORIAL

10.00-12.00 hrs – IT Auditorium, bld. 31/3-004

Introduction to Visual Basic

by Alberto PACE / CERN-IT