

Wednesday 26 September

CERN COMPUTER SEMINAR

at 16.00 hrs – DD Amphitheatre
(bldg. 31, 3rd floor)

UNIX 8th Edition

by Thomas J. KILLIAN / AT & T Bell Laboratories, Murray Hill, New Jersey, USA

UNIX 8th edition is the latest in the series of kernels developed in the Computing Science Research Center at Bell Labs. Its main enhancements over previous editions are :

- *the stream i/o system : an interprocessor communication mechanism, general enough to find use in terminal handling and inter-machine communication.*
- *the network file system : transparent access to the file system of a remote machine through path names of the form /n/<machine name>/<remote-path>.*
- *the process file system : each entry /prog/nnnnn corresponds to the address space of the running process whose number is nnnnn. Read and write have the obvious implied semantics, and services are available for controlling the environment of the monitored process.*

The interactive debugger pi is the first major application program to use /proc. It handles multiple processes dynamically and asynchronously through sets of windows that present projections of a process (e.g. source text, assembler, or stack frames).

Dr. KILLIAN received a PhD in High-Energy experimental physics from Cornell University in 1978. He worked at CERN on the ISR experiment R807 from 1978 to 1981. Since 1983, he has been a Member of technical staff in the Computing Science Research Center, AT&T Bell Laboratories.

Wednesday 26 September

SCIENCE AND SOCIETY SEMINAR

at 17.30 hrs – Council chamber
**PLEASE NOTE UNUSUAL TIME
AND PLACE**

East-West strategic arms race

by W.K.H. PANOFSKY / SLAC

Jeudi 27 septembre

PRESENTATION TECHNIQUE

09.30 à 16.00 h – bât. 17, salle 1-007

Officine Rigamonti Mecchaniche (CH) – comprenant les activités suivantes : mécanique, construction machines et appareils, tôlerie et constructions électriques – expose deux armoires de sécurité et alarme SOS avec les dernières nouveautés techniques.

Langues : allemand, français, italien
Renseignements : M. Diraison / FI / 4585

Thursday 27 September

CERN COLLOQUIUM

at 16.30 hrs – Auditorium

**The SSC, high energy, e^+e^- Colliders,
and all that**

by W.K.H. PANOFSKY / SLAC

Tuesday 2 October

CAS ACCELERATOR SEMINAR

at 14.30 hrs – Auditorium

**Summary of the Frascati workshop on the
generation of high fields for particle
acceleration to very high energies**

M. TIGNER / Cornell University

Tuesday 2 October

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium

**Measurements of parity violation in the cesium
atom : a low-q test of electroweak unification**

by L. POTTIER / Laboratoire de Spectroscopie
hertzienne de l'Ecole normale supérieure, Paris

Wednesday 3 October

CAS ACCELERATOR SEMINAR

at 14.30 hrs – Auditorium

**Physics of the laser-plasma,
beat-wave accelerator**

by R. EVANS / Rutherford Laboratory

Thursday 4 October

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium

**High transverse momentum spin physics and
the AGS polarized proton beam**

by A.D. KRISCH / University of Michigan

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

ENSEIGNEMENT GÉNÉRAL Tél. 2844

Jeudi 4 octobre

de 13.00 h à 13.30 h – Amphithéâtre

Science pour tous

par R. CARRERAS

ACADEMIC TRAINING Tel. 2844

1984 - 1985 Programme

1st TERM

23, 24, 25 October

11.00 hrs to 12.00 hrs – Auditorium

The universe at $t \gtrsim 10^6$ years; galaxy formation, clustering, and the unseen mass

by M.J. REES / Institute of Astronomy, Cambridge

12, 13, 14 and 15 November

11.00 hrs to 12.00 hrs – Auditorium

Critical phenomena

by E. BREZIN / CEN, Saclay

19 and 20 November

11.00 hrs to 12.00 hrs – Auditorium

A new branch of research : astronomy of the most energetic gamma rays

by G. COCCONI / CERN

21, 22 et 23 novembre

de 11.00 h à 12.00 h – bât. 593, salle n° 11

Mécanique des roches et stabilité des cavités souterraines (in French)

par G. LOMBARDI / Conseil des Ecoles polytechniques fédérales

28, 29 and 30 November

11.00 hrs to 12.00 hrs – Auditorium

The very early universe

by D. NANOPOULOS / CERN

10, 11, 12 and 13 December

11.00 hrs to 12.15 hrs – Auditorium

Lasers : technology and applications

by L. WOSTE / EPFL and CNRS

The abstract of the lectures (together with any change of dates, time or place) will be published in the CERN Bulletin and on noticeboards about two weeks before each series of lectures.

THE YOURDON APPROACH TO STRUCTURED SYSTEMS DEVELOPMENT

One-day seminar held in GENEVA, 19 October 1984

Seminar objectives

This one-day seminar introduces the **STRUCTURED TECHNIQUES** of analysis, design, programming, walkthroughs and top-down implementation. The seminar also addresses what data processing management must plan for when a decision is made to adopt any of these methods.

Course materials

All participants will receive a copy of the book 'Concise Notes on Software Engineering' by Tom DeMarco.

Seminar Outline

1. The themes of the structured techniques
2. Defining requirements
3. Designing software
4. Building software : Implementation
5. Organising to use the techniques.

Fee

£25.00 per participant.

Registration

To register for this seminar, please call the Marketing Representative in London, phone 637 2182/9.

M. Pincott
PE/ED, tel. 3674

COMMUNIQUE FROM THE EDUCATION SERVICES

Management Training
Personal skills development
Courses for secretaries

Encouraged by the success of the courses offered over the last few years and the support of the Director of Administration, the Staff Policy Group and the Staff Association at the last session of the Standing Concertation Committee, the Education Services are opening the 1984-85 academic year with the following courses given by David Gration **in English:**

- General courses in **Supervisory Training*** :
 - 22,23,24 October 1984 and 29,30 November 1984
 - 26,27,28 November 1984 and 28,29 January 1985

An informal information meeting with David Gration will take place on **Thursday, 27 September** at 9h.00, room 11, barrack 593.

- Specialised courses in :
 - Communication, 15,16,17 October 1984
 - Interviewing, 18,19 October 1984.

These 4 courses are the first of a series of varied training activities for which a detailed information sheet is in preparation.

This sheet will be available from 1st October in the Divisional Secretariats and from M. Pincott in the Education Services, building 54, R-003.

As in the past, details of each course will be published in advance in the weekly bulletin.

COMMUNIQUE DES SERVICES EDUCATIFS

Formation à la pratique du management
Développement des aptitudes personnelles
Cours pour secrétaires

Conforté par le succès de ces 3 types de programme durant les dernières années et par les encouragements reçus du Directeur de l'Administration, du Groupe de Politique du Personnel et de l'Association du Personnel lors de la dernière séance du Comité de Concertation Permanent, les Services Educatifs lancent leur année 1984-1985 avec 4 cours de **FORMATION A LA PRATIQUE DU MANAGEMENT** donnés par David Gration **en langue anglaise:**

- Cours de base - **Supervision*** :
 - 22,23,24 octobre 1984 et 29,30 novembre 1984
 - 26,27,28 novembre 1984 et 28,29 janvier 1985

Une **séance d'information** concernant ces cours aura lieu le **27 septembre** à 9h.00, salle 11, baraque 593.

- Cours de 2ème niveau destinés aux personnes ayant déjà suivi un cours de base :
 - Communication, 15,16,17 octobre 1984
 - Interviewing, 18,19 octobre 1984.

Ces 4 séminaires marquent le début d'une nouvelle série d'actions de formation diversifiée pour lesquelles notre service a cru bon d'établir une fiche d'information détaillée.

Cette fiche sera à votre disposition dès le 1er octobre dans les différents secrétariats de division ainsi qu'à notre secrétariat, M. Pincott, bât. 54, R-003.

Chaque cours fera de plus l'objet d'une annonce dans le bulletin comme à l'accoutumée.

*SUPERVISION : Motivation, Delegation, Leadership and Communications

THE COURSES ARE FOR :

- Supervisors in charge of their own staff
 - Leaders of project teams
- Specialists getting their work done through other supervisors' staff
- Staff who wish to develop their skills for possible future supervisory appointments.

THE COURSES WILL HELP THEM TO :

- understand how people's needs can be met through the job itself.
- develop the skills of planning and organising work to gain the maximum motivation.
- plan at least one experiment in new ways of motivating yourself, staff or colleagues.
- understand the beneficial influence of delegation on motivation, time management, training and development, and simply getting more work done.
- plan at least one area of responsibility for new delegation by or to participants.
- understand the full range of leadership styles, and the variables that influence the choice of the most appropriate style on each occasion.
- add at least one new style to each participant's repertoire.
- develop the skills of a systematic approach to getting and exchanging information through :
 - Discussion leading, participation in meetings
 - Informal dialogue with staff individually in clarification, monitoring and counselling discussions.

Further information can be obtained from :
Erhard Fischer 5811, Jean Huguenin 3364,
Françoise Labro 4476 or Madeleine Pincott 3674 (morning only).

Pour tous renseignements complémentaires s'adresser à : Erhard Fischer 5811, Jean Huguenin 3364,
Françoise Labro 4476 ou Madeleine Pincott 3674 (le matin).