

People and things

On people

Jan Kluyver has been appointed Knight of the Order of the Netherlands Lion on the occasion of his retirement as Professor at Amsterdam University. He is amongst the most prominent Netherlands physicists — member of the staff of NIKHEF, and long-time experimenter at CERN. He has also played many important management roles in the Netherlands. At CERN he has been Dutch delegate to Council for many years, serving most recently as the Council's Vice-President.

Godfrey Stafford, formerly Director of the UK Rutherford Laboratory and now Master of Saint Cross College, Oxford, has been elected President of the UK Institute of Physics.



At Fermilab, Daniel Green becomes Head of the Physics Department, succeeding Thomas Kirk who will be devoting more time to experimental physics. Charles N. Brown assumes Dan Green's former role as Physics Department Deputy Head.

Horst Foelsche has been appointed Deputy Chairman of Brookhaven's AGS Department. He will concentrate primarily on departmental interfaces between the AGS (Alternating Gradient Synchrotron) and the Booster, Tandem, and proposed Relativistic Heavy Ion Collider (RHIC). Theo Sluyters is the new Head of the Accelerator Division, where his responsibilities will include the ambitious AGS upgrade programme.

Jan Kluyver — Knight of the Order of the Netherlands Lion.

On 29 September Federal German Minister for Research and Technology Heinz Riesenhuber (on stairs, right) paid a lightning visit to the construction site of the HERA electron-proton Collider at the DESY Laboratory in Hamburg. With the Minister is DESY Director Volker Soergel, followed by Gustav-Adolf Voss, one of the two HERA Project Leaders. Behind him is Hartmut Perschau of the Hamburg City Parliament, followed by Herbert Oehlschlager of Frankfurt.

(Photo DESY)

ICFA Instrumentation School

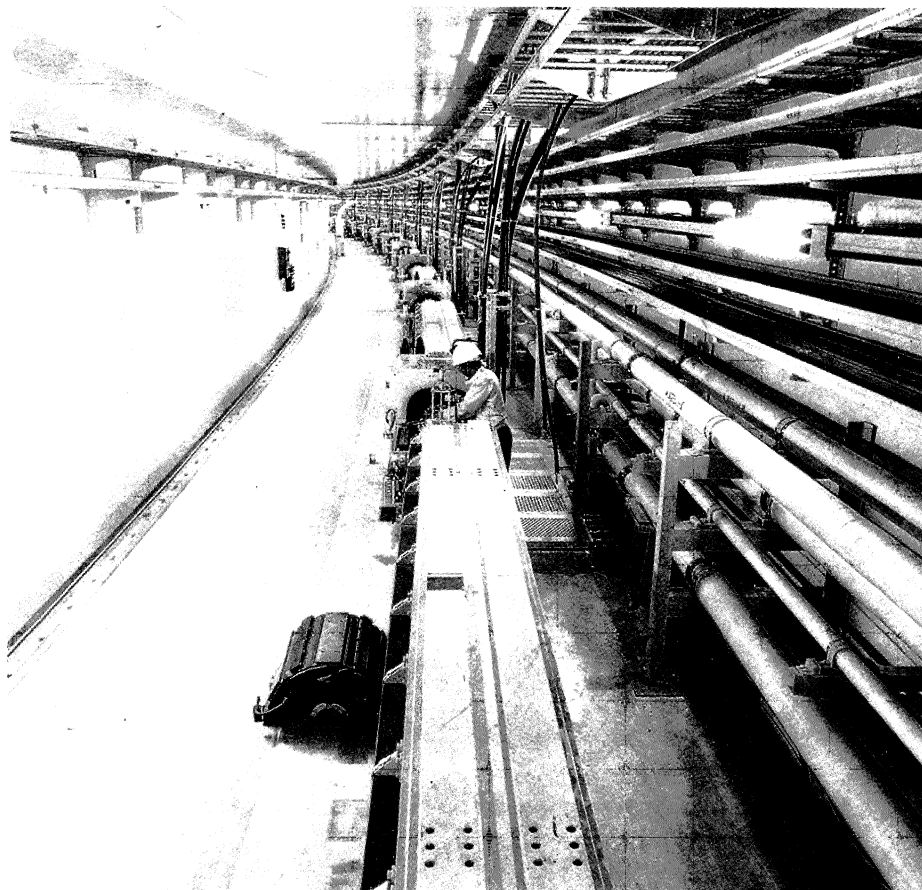
The recently-formed Instrumentation Panel of the International Committee for Future Accelerators (ICFA), together with the International Centre for Theoretical Physics, Trieste, is organizing a School on Instrumentation in Particle Physics, to be held in Trieste from 8-19 June.

The school aims to cover both the physics and the technology of modern detection techniques and to attract participants from all over

STOP PRESS — On 14 November the TRISTAN ring at the Japanese KEK Laboratory achieved electron-positron collisions at 50 GeV with a luminosity of about 2.6×10^{29} per cm² per s.

View of the now completed main ring of the TRISTAN electron-positron Collider at the Japanese KEK Laboratory. First electron beams were accelerated in October, and first electron-positron collisions should not be far away.

(Photo KEK)



the world, especially the developing countries. As well as formal lectures, the school will include hands-on practical work with 'table-top' experiments. Sponsors are the Dipartimento per la Cooperazione allo Sviluppo, Italy, the Trieste section of the Italian Istituto Nazionale di Fisica Nucleare (INFN), CERN and the US Department of Energy.

Further details from — International Centre for Theoretical Physics, ICFA School on Instrumentation in Particle Physics, PO Box 586, 34100 Trieste, Italy. Closing date for applications is 31 January.



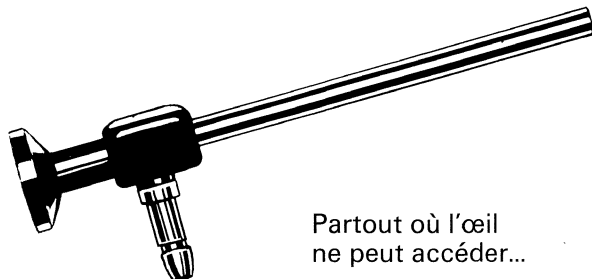
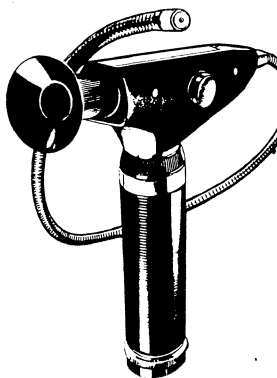
On 20 October at CERN, a special colloquium was dedicated to the memory of Paul Musset, who died in an accident last year. André Rousset and Jean-Pierre Vialle first described Musset's contributions to physics, and Abdus Salam (standing, furthest from camera, with meeting chairman Charles Peyrou) took over for a personal overview of particle physics today.

(Photo CERN 357.10.86)

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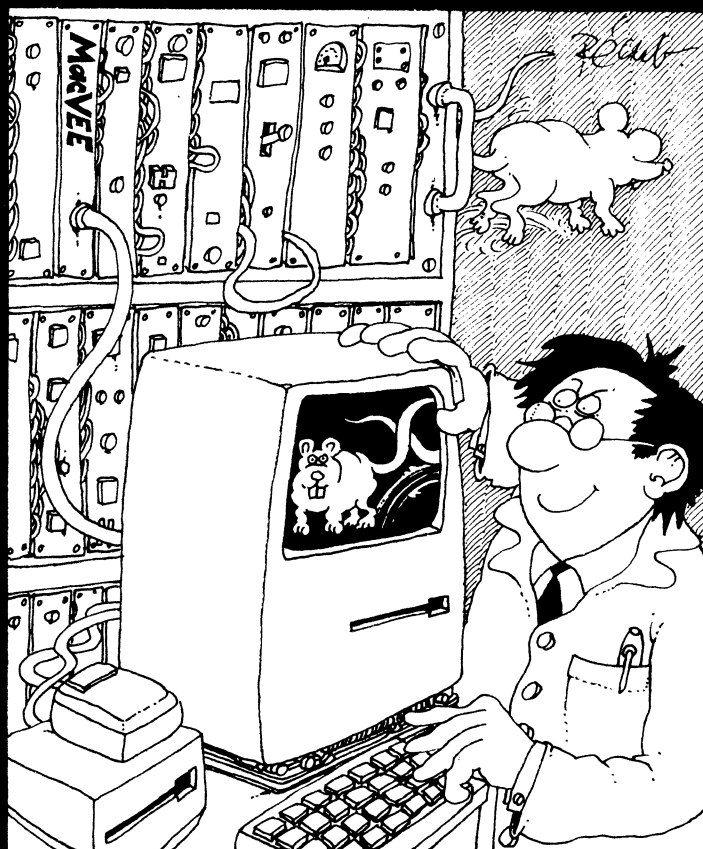
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ELEMENTARY PARTICLE THEORY. The High Energy Theory Group of Brookhaven National Laboratory anticipates both postdoctoral and staff openings starting in the fall of 1987. The level of these positions will be commensurate with qualifications. Present activities of the group include lattice gauge theory, simulation of high energy collisions, weak interaction phenomenology, and models for new interactions. Interested applicants should write to Dr. Michael J. Creutz, Physics Department, Brookhaven National Laboratory, Associated Universities, Inc., Upton, L.I., NY 11973. Equal Opportunity Employer m/f.

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**Personnel Director
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Qualified candidates will be referred to the Research Division Search Committee. Employment will be effective during FY 87.

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TWO FACULTY POSITIONS High Energy Physics University of Iowa

The Department of Physics and Astronomy at the University of Iowa invites applications for two tenure-track faculty positions in experimental elementary particle physics beginning in August 1987. The appointments are authorized at the assistant professor level, but higher level appointments will be considered for qualified candidates. We invite applications from outstanding candidates at any level and in all areas of experimental elementary particle physics. Faculty duties include undergraduate and graduate teaching, guidance of research students, and personal research both independent and in collaboration on existing experiments. Applications, including a curriculum vitae and a statement of research interests, should be sent to:

**Search Committee
Department of Physics
and Astronomy
The University of Iowa
Iowa City, IA 52242-1410**

Applicants should arrange for three letters of recommendation to be sent directly. The University of Iowa is an equal opportunity/affirmative action employer.

University College London Department of Physics and Astronomy

ELECTRONIC ENGINEER or TECHNICAL PHYSICIST

The high energy particle physics group at U.C.L. is a collaborator in the OPAL experiment for LEP at CERN, in the ZEUS experiment for HERA at DESY and in the HELIOS experiment at the CERN SPS. In OPAL the person appointed in this position will be expected to help complete the design and to join in with the construction of the forward detector with particular responsibility for interfacing and controls. The forward detector includes small drift chambers, proportional tube chambers, lead-scintillator calorimeters and precision scintillation counters; all to be read out through CAMAC and VME into a multiprocessor data acquisition system. In ZEUS the group is collaborating closely with other U.K. groups through the Rutherford Appleton Laboratory in the design and construction of the central drift chamber. The electronic engineer/technical physicist would be expected to become involved in this work as well as in OPAL.

The qualifications required are either:

a) PhD. in particle physics with strong interests and evidence of ability in electronic techniques, plus relevant experience on major experiments. Such a candidate would be encouraged to spend some time working on physics and analysis aspects of the experiments as well as on instrumentation.

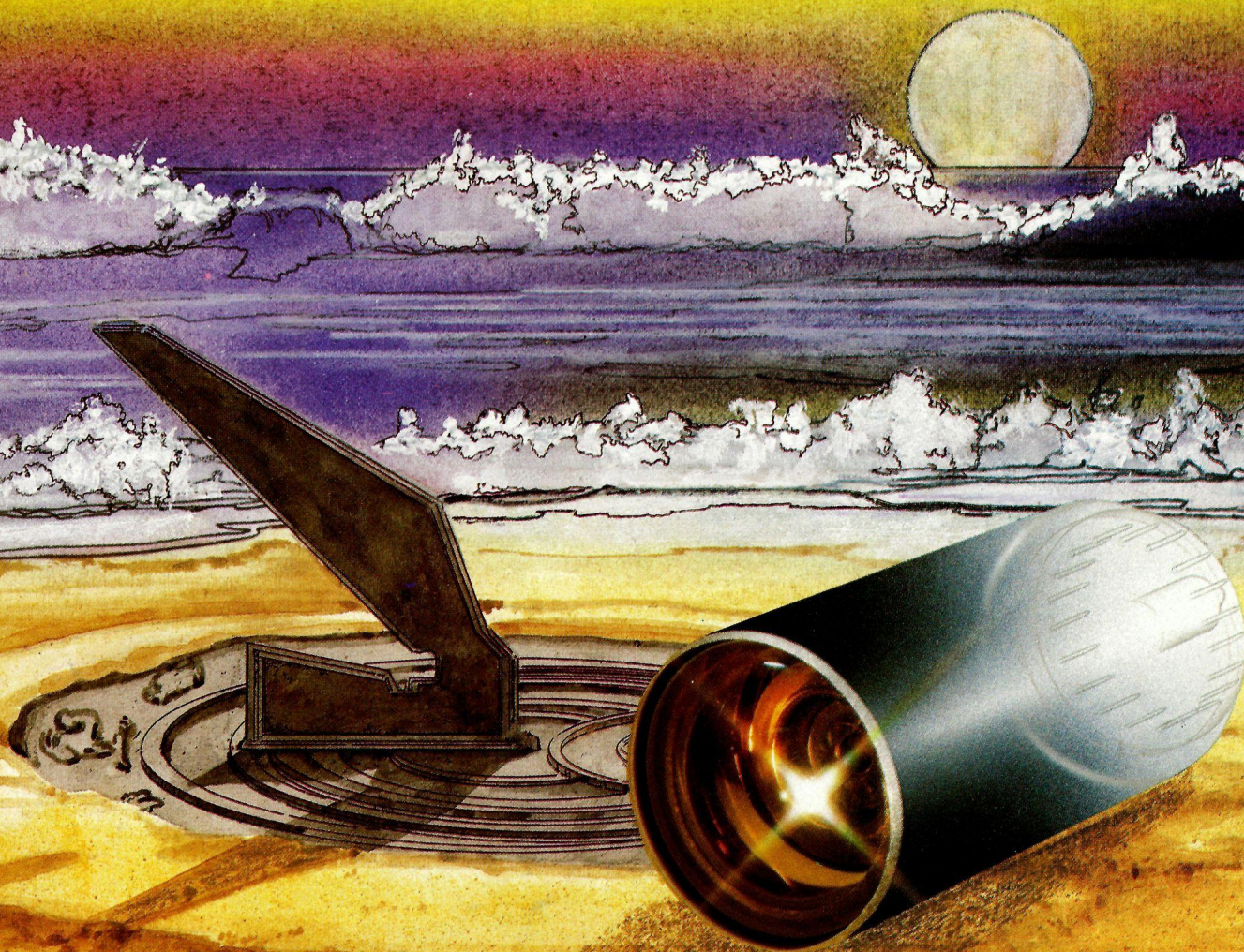
or b) Degree in electronic engineering followed by extensive experience in designing and implementing on-line data-acquisition systems; knowledge of both analogue and digital circuit design techniques; familiarity with at least one major interfacing standard (CAMAC, VME, FASTBUS, etc.).

The position is a continuing appointment funded by the Science and Engineering Research Council under a rolling programme grant which is committed for up to three years in advance. The salary will be on the 1A scale, between £9317 and £14,077 per annum (including London weighting), depending on experience. The appointee will become a member of the Universities Superannuation Scheme. Please send curriculum vitae with the names of three referees to

**Dr. D.J. Miller,
Dept. of Physics and Astronomy,
University College London,
Gower Street,
London WC1E 6BT.**

(A Research Assistant position may also be available; details from the same address.)

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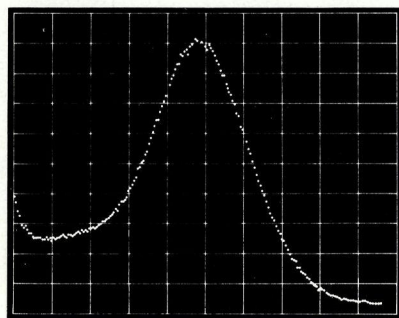


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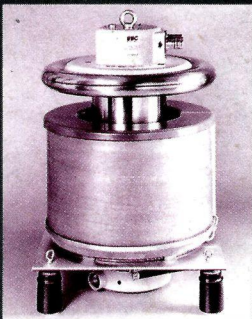
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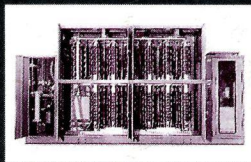
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CERN, European Organization for Nuclear Research, Geneva: dipole and quadrupole magnets, spectrometer magnet 3 MW, superconductor and coils for Omega spark chamber magnet. DESY, Deutsches Elektronen-Synchrotron, Hamburg: bending and quadrupole magnets, exciting coils for PETRA bending magnets, super-conductor for HERA dipole magnets. Istituto Nazionale di Fisica Nucleare, Milano: 3 RF generators, 15 to 50 MHz, 90 kW. IREQ Varennes, Canada: 4 power supplies for Tokamak, 1 static bi-directional plasma start-up switch (20 kA/15 kV). Jet Joint Undertaking, Culham GB: poloidal and toroidal field coils, magnet core for Joint European Torus, switching and regulating tetrodes CQK 200-4. KFA Kernforschungsanlage Jülich, FRG: 2 neutral beam injection power supplies 55 kV, 100 A, switching and regulating tetrode CQK 400-1. Lawrence Livermore National Laboratory, Livermore USA: 2 RF generators, 6 to 20 MHz, 1 MW, switching and regulating tetrodes CQK 200-4. Max-Planck-Institut für Plasma-

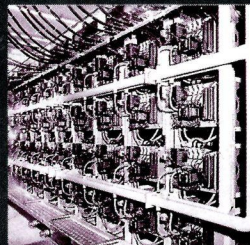
physik, Garching/Munich: 2 RF generators, 30 to 115 MHz, 1,5 MW (tests up to 2 MW), poloidal and toroidal field coils for ASDEX and W7, switching and regulating tetrodes, RF study for ASDEX upgrade. Oak Ridge National Laboratory, Oak Ridge, Tenn., USA: Superconducting toroidal field coil for Large Coil Task. Princeton Plasma Physics Laboratory, Princeton, NJ, USA: Poloidal field coils for TFTR Tokamak. SIN, Schweiz: Institut für Nuklearforschung, Villigen: 4 generator power supplies 16,5 kV, 80 A. Main magnets of isochron cyclotron (2000 tons), bending, quadrupole and experimental magnets. Superconducting coils for muon channel and bio-medical applicator PIOTRON. Switching and regulating tetrodes for Euratom-ENEA Rome, Euratom-CEA Fontenay-aux-Roses F, Fusion Research Center of Japan Atomic Energy Research Institute. High power RF triodes and tetrodes for CRPP, Association Euratom Suisse, Ecole Polytechnique Fédérale, Lausanne CH.



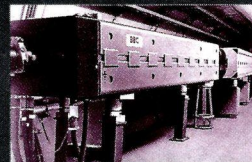
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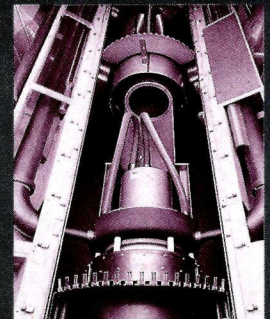
Control and power electronics for the JET tokamak, including the neutral beam injection power supplies and the plasma start-up switch.



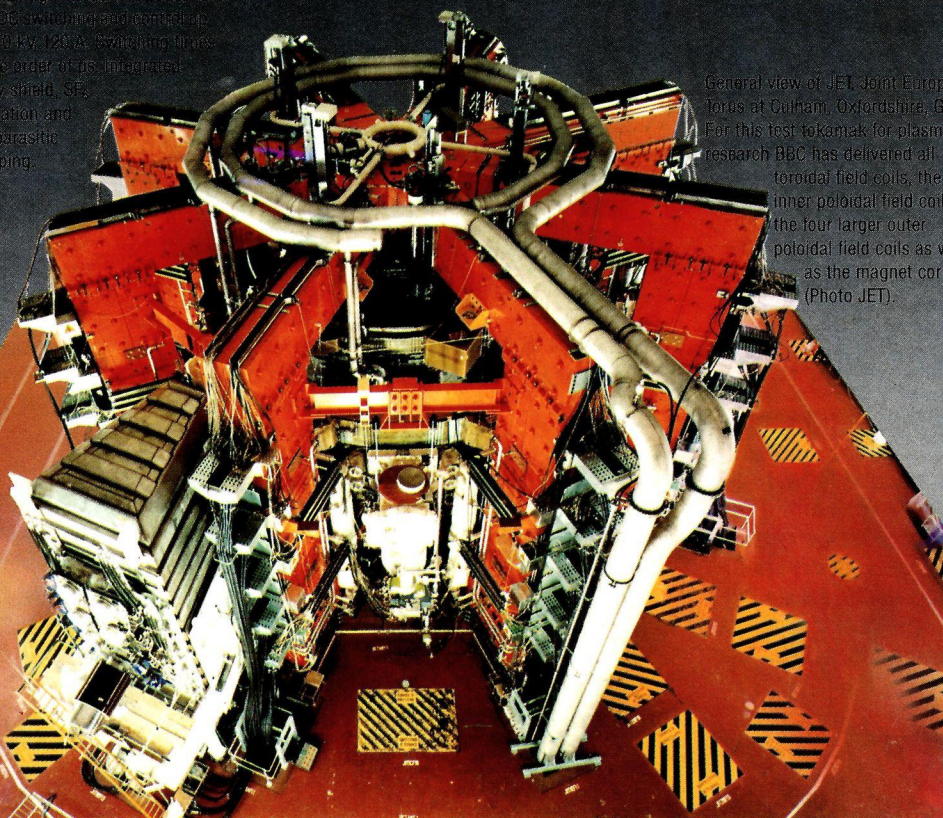
Fast neutral beam power supply for pulse start modulation technique.



High-voltage diode magnets for the Super Proton Synchrotron at CERN, Geneva (Photo CERN).



ICRF generator for plasma heating, 30 to 115 MHz, 1,5 MW, for pulses up to 10 s, equipped with BBC tetrode CQK 650-2.



General view of JET Joint European Torus at Culham, Oxfordshire, GB. For this test tokamak for plasma research BBC has delivered all toroidal field coils, the inner poloidal field coils, the four larger outer poloidal field coils as well as the magnet core. (Photo JET).

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