

People and things

Herwig Schopper (left), CERN's Director General from 1981-88, at his 70th birthday symposium at CERN, with parity violation pioneer C.S. Wu.



Herwig Schopper 70

Herwig Schopper, CERN Director General from 1981-1988, celebrated his 70th birthday in style with a star-studded symposium at CERN on 15 September. In his introduction, Director General Chris Llewellyn Smith underlined Schopper's watershed role in overseeing the approval and construction of CERN's LEP electron-positron collider and the development of the plans for its experimental programme.

Opening the programme, Sam Ting recalled Schopper's pre-CERN role at DESY, where according to Ting, he showed great leadership skills in being the only Director of DESY who, in addition to his many other accomplishments, managed to improve the canteen.

His other achievements include the establishment of international collaborations; He Sheng Chen highlighted Schopper's part in the devel-

opment of relations with China, which Schopper visited in 1977 and where he helped set up the first international collaboration in physics after the cultural revolution. Quoting a Chinese proverb, he said, "remember the people who dug the well when you drink the water".

C.S. Wu spoke on how her pioneer 1957 results on parity violation in beta-decay were supported by two experiments, one of which involved Schopper, and Chris Fabjan described Schopper's part in the development of hadron energy measurement, a technique which he believes "has blossomed into one of the most ubiquitous and versatile experimental methods".

US accelerator pioneer Robert Wilson described the evolution of machine physics responsibilities in major projects.

Former LEP project director Emilio Picasso underlined Schopper's role in pushing LEP construction, and described his own worry that the 27-kilometre tunnel would never meet its

other end, instead spiralling in ever-decreasing circles.

Concluding, Herwig Schopper looked back with satisfaction at 50 years in physics and said, "Being a physicist is a privilege, especially in the second half of this century; it is a great privilege to live through such exciting developments – I moved up an order of magnitude every ten years or so."

On people

At Brookhaven, Tom Kirk became Associate Director for High Energy and Nuclear Physics on 3 October. He succeeds Mel Schwartz, who has returned to academia as the I. I. Rabi Professor of Physics at Columbia University, and Larry Trueman, who has been acting in an interim capacity.

Bernard Frois of Saclay receives the prestigious Silver Medal of the French Centre national de la recherche scientifique (CNRS).

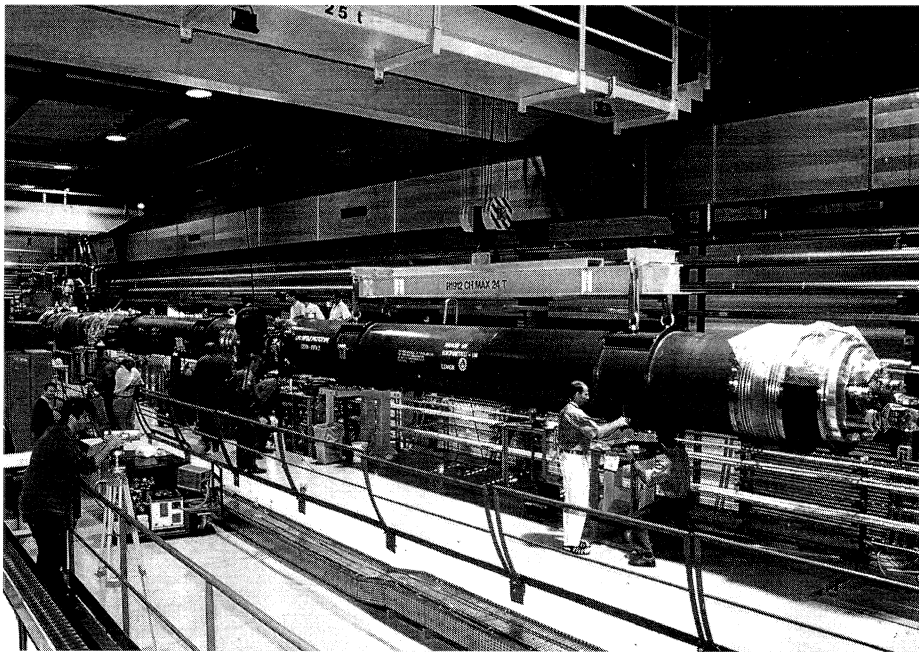
Dirac medal

On 4 October, Frank Wilczek of Princeton's Institute of Advanced Study was awarded the 1994 Dirac Medal of the Institute for Advanced Study, Trieste, for his theoretical contributions, particularly his role in the discovery of the phenomenon of 'asymptotic freedom' in non-Abelian gauge theories - when the interaction between two quarks becomes weak at short distances.

Harry Bingham 1931-94

Berkeley experimentalist Harry Bingham died on 24 August, age 63.

Ready for testing is a magnet string of two superconducting dipoles and one quadrupole for CERN's LHC proton collider.



A special symposium at CERN on 28 September marked the 65th birthday of distinguished CERN theorist André Martin.



Born in Chicago, he was a colourful personality, keen sportsman and inveterate poker player who enlivened many physics meetings. His initial research career at CalTech, the Ecole Polytechnique in Paris and CERN revolved around the development and exploitation of heavy liquid bubble chambers. He joined the Berkeley faculty in 1964 and participated in experiments at several major research centres as well as being an enthusiastic teacher.

For several summers he was Acting Chairman of Physics at Berkeley, and received national attention in 1989 by offering a Berkeley position to the prominent Chinese physicist and suspended university administrator Fang Lizhi.

His last visit to CERN was in 1993 for the meeting organized to mark 40 years of world bubble chamber achievement, where he gave a typically candid talk - 'Old and new, big and small, European and American; contrasts in styles'. It was typical of his courage and fortitude that he

hosted his final physics collaboration meeting with a telephone link from his bedside.

LeCroy grant

US instrumentation specialists LeCroy Corp. of Chestnut Ridge, New York, in collaboration with Jorway Corp and Yale University, have been awarded a Small Business Technology Transfer Grant by the US Department of Energy to develop a compatible extension of the CAMAC standard electronics interface to increase data acquisition speeds eventually to 60 Mbytes/second.

Physics in Vietnam

This summer, a school on particle physics at Dalat, on the highlands about 300 km from Saigon, attracted 30 vietnamese physicists and seven European physicists (lecturers). Next

year, twin conferences (one on Particle Physics and one on Astrophysics : from the Sun to the Universe, Fundamental issues in Astrophysics) will be held in Saigon - Ho Chi Minh City from 22 to 28 October 1995. These dates are chosen as there will be a full eclipse in South Vietnam on Wednesday October 24. It is hoped that this exceptional event will underline efforts being made to attract young students to fundamental science. In former socialist countries making the transition to a free market economy, many good students are tempted towards initially more lucrative careers.

Meetings

The SERC School on Coherence and Correlations in Modern Optics and Quantum Physics will be held from 23 January to 10 February 1995 at the Institute of Mathematical Science,

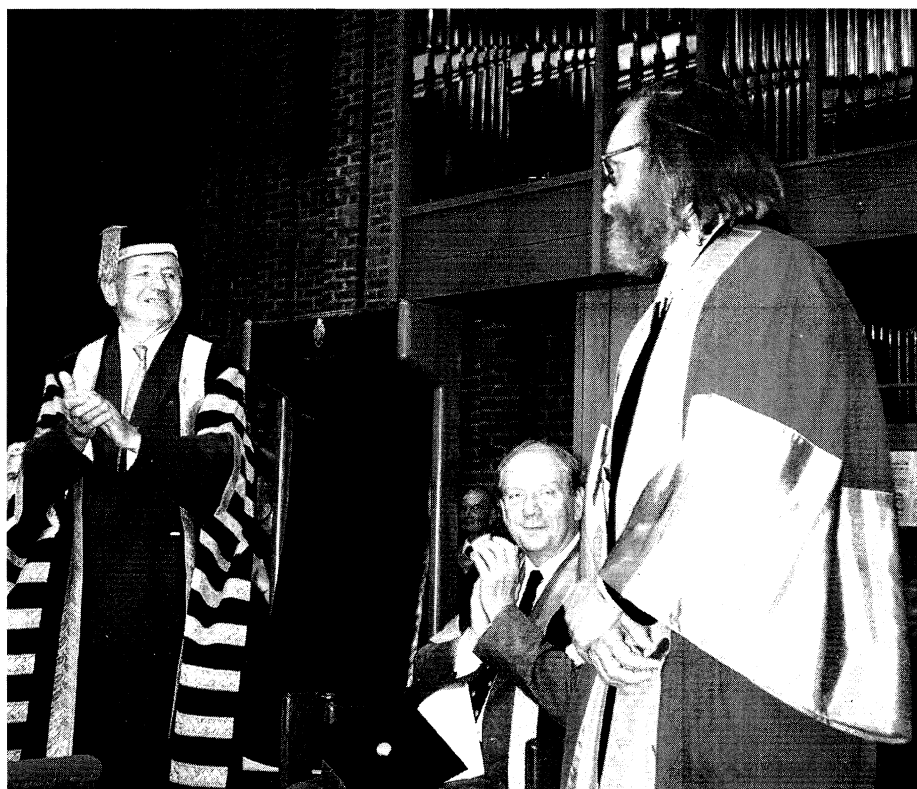


Japanese Minister for Science and Technology Makiko Tanaka with Director General Chris Llewellyn Smith at CERN on 22 September.

At the European Particle Accelerator Conference in London earlier this year (September, page 11) Roger Cashmore of Oxford admires a 'virtual reality' computer simulation. (Photo DRAL)

Madras, India. Further information from Khan S A Khan, Publicity Secretary SERC School, E-Mail: optics@imsc.ernet.in

The Third International Winter School "QCD: Perturbative and Non-Perturbative Topics" will be held at St. Petersburg Nuclear Physics Institute, Russia, from February 26 - March 11, 1995. Lectures will be at the postgraduate and young postdoc level and include such topics as low x physics, colour coherence phenomena, confinement, effective chiral theories, two-body systems, coherent multi-particle production, instantons, etc. Among the lecturers are Profs. Anselm, Bailin, Diakonov, Dokshitzer, Eides, Lipatov, Migdal, Mueller, Polyakov and others. Further information and applications from maxpol@lnpi.spb.su



Books received

Superconductivity, by V.L. Ginzburg and E.A Andryushin;
Physics of New Methods of Charged Particle Acceleration - Collective Effects in Dense Charged Particle Ensembles, by A.G. Bonch-Osmolovsky;
Selected Papers, with Commentary, of T.H.R. Skyrme - World Scientific Series in 20th Century Physics, Volume 3, Edited by Gerald E. Brown.
 All three published by World Scientific, Singapore, 1994.

After receiving an honorary doctor of science at Southampton University, UK, distinguished CERN theorist John Ellis (right) is applauded by University Chancellor Lord Jellicoe.

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Advertising Manager, USA
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Royal Holloway
University of London

EU Fellowship (HCM Programme) Particle Physics

Applications are invited for 2 one-year postdoctoral fellowships in experimental particle physics. Applicants must be nationals of an EU member state (excluding the UK), or an associated state, must be aged under 35 and should hold a PhD or equivalent qualification.

The particle physics group at Royal Holloway is a member of the ALEPH collaboration at LEP and the ATLAS experiment planned for the LHC, and has recently joined the BaBar collaboration at PEP-II. At ALEPH we took part in the construction of the electromagnetic calorimeter and were responsible for the design and building for the Level 2 trigger. We are currently working on the analysis of the LEP I data from ALEPH and plan that one of the fellows will join this programme. We are members of the CERN R&D project RD11 (EAST) developing second level trigger systems for LHC. This work is continuing for the ATLAS experiment where we are also involved in physical studies. The second fellow will become part of this programme. The group is well-supported by the UK Particle Physics and Astronomy Research Council and the College and has good facilities for both computing and electronics development.

Royal Holloway is part of the University of London and is situated on a pleasant campus about 30 km west of the centre of London near to Heathrow airport and the town of Windsor. It is about 40 minutes from London by train. There are about 5000 students on campus in faculties of arts and science.

Further details about the Royal Holloway group and its current programme can be found on World Wide Web (http://www.ph.rhnc.ac.uk/research/hep/hep_home.html). More about the fellowships and the general conditions can be obtained from Dr M G Green, Physics Department, Royal Holloway University of London, Egham, Surrey TW20 0EX (phone +44 1784 443454, fax +44 1784 472794, email GREEN@V1.PH.RHBNC.AC.UK).

Fellows will be employed under the EU's general conditions governing research training fellowships and will receive c.2700 ECUs per month to cover subsistence and mobility expenses, tax and social security contributions and cost of attending conferences etc. It is intended to submit the names of one or two candidates to the next round of EU selection which has a closing date of 15 December 1994. A letter of application and a CV should be sent to Mike Green at the above address to arrive by **Friday 25 November 1994**. Applicants should also arrange for two references to be provided by the same date.