

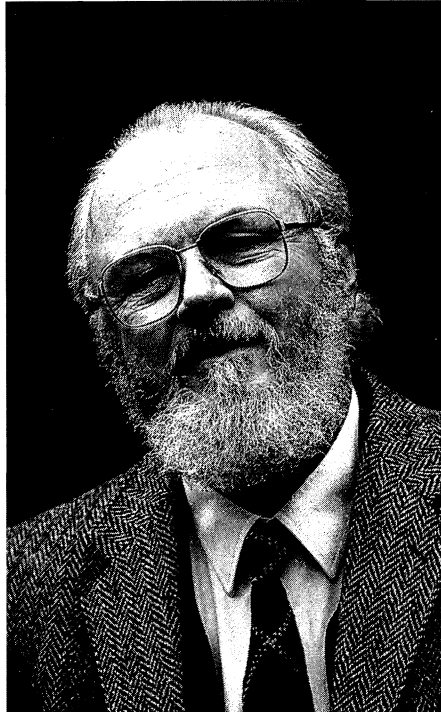
People and things

CERN Courier's DESY correspondent Pedro Waloschek

Pedro Waloschek

Now officially retired from the DESY Laboratory, Hamburg, but continuing to act as the Laboratory's CERN Courier correspondent is Pedro Waloschek. Born in Buenos Aires, Pedro began his physics research career there in the early 1950s, participating in the heady post-war era of cosmic ray studies, moving in 1955 to Göttingen to continue this work. In Bologna from 1957, he organized a bubble chamber group and participated in one of the pioneer experiments which revealed parity (left-right) violation in beta decay. Subsequently he transferred to Bari to work on a new bubble-chamber film analysis machine. At CERN, Pedro became interested in the new electronic detectors being developed in the late 60s by Georges Charpak. In 1968 he moved to DESY as a Senior Scientist, applying the new wire chamber techniques and contributing to the design of the PLUTO detector at the DORIS electron-positron ring. In 1988 he joined the H1 collaboration at the HERA electron-proton collider.

From 1978, still based at DESY, Pedro also began a new career - communicating the wonders of modern physics in general and DESY in particular to the German-speaking public. From most of the 1980s he headed DESY's Public Relations group. As well as articles for newspapers and magazines, he also wrote a series of books - 'Die Welt der kleinsten Teilchen' (The World of the Smallest Particles - with Oskar Höfling, published in 1984), 'Der Multimensch' (1986), 'Neuere Teilchenphysik - einfach dargestellt' (New Particle Physics - simply explained, 1990), 'Der Schlüssel zur Physik' (The Key to Physics - with



Olivia Meyer, 1990), 'Reise ins Innerste der Materie' (Journey into Innermost Matter, the story of DESY's HERA electron-proton collider, 1991), and most recently a volume on the life and work of Rolf Wideröe, published in German and in English - 'Als die Teilchen laufen lernten' (ISBN 3-528-06567-2), 'The Infancy of Particle Accelerators' (ISBN 3-528-06586-9), published by Vieweg, distributed in the USA by Ballen, 125 Ricefield Land, Hauppauge, New York 11788. In 1979 Pedro became DESY's official CERN Courier correspondent, and as such is one of the longest-serving and certainly the most productive of our faithful informants. In these 15 years, scarcely an issue has gone by without a contribution from him. As well as a prolific writer, Pedro is an enthusiastic photographer and cameraman with a ready eye for an impressive shot, and is at home in several languages.

On people

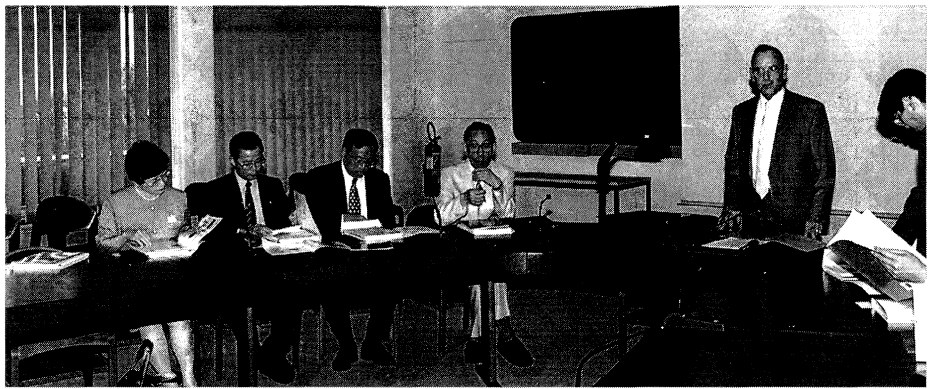
At Brookhaven, Bill Weng has stepped down as AGS Accelerator Division head to spend a sabbatical year in Taiwan working on the new synchrotron light source. Thomas Roser, who takes over from Bill, was the initiator and leader of the new polarized proton effort at the AGS and RHIC.

1994 ICTP (Trieste) Dirac Medal

Every year, on 8 August, the birthday of P.A.M. Dirac, the Dirac Prize Committee of the International Centre for Theoretical Physics (ICTP) Trieste announces the award of the Dirac Medal and Prize. This year it goes to Frank Wilczek (Institute for Advanced Study, Princeton) who in 1973 was one of the discoverers of the "asymptotic freedom" of non-Abelian gauge theories - how strong interactions can become weak at short distances - which led to the development of a new picture of quark physics and is now a cornerstone of the Standard Model of elementary particles and its extensions that aim to unify the fundamental forces. Wilczek has also made important contributions to the study of particle-like excitations in two-dimensional systems that obey "fractional statistics". These particles, for which he coined the name "anyons", are now recognized to have a role in phenomena such as the fractional quantum Hall effect.

The Dirac award is conferred for contributions to theoretical physics and mathematics but is not awarded to Nobel Prize or Wolf Foundation Prize winners.

CERN Particle Physics Experiments (PPE)
Division Leader and Regional Coordinator for
the Far East Jim Allaby welcomes a delegation
of Members of Japan's House of Representa-
tives to CERN on 17 August.
(Photo CERN HI27.8.94)



Pavle Savic 1909 - 1994

Prominent Yugoslav scientist Pavle Savic, one of the twelve signatories of the CERN foundation charter, died on 30 May at the age of 85. With this document, the former Yugoslavia became one of the twelve founding Member States of CERN.

From 1935 - 39 he worked at the Institute of Radium in Paris (France) as a close collaborator of Irene Joliot-Curie, participating in pioneer work on fission, and where his work on the interaction of thermal and resonant neutrons with uranium was also of great importance. In 1944 he joined Kapitza's group at the Institute for Low Temperatures in Moscow. In 1946 he became Professor at Belgrade University, launching the Institute of Physics (now the Institute of Nuclear Sciences) at the Vinca site near Belgrade, and went on to become its first Director General. From 1956 - 58 under his directorship and supervision, the first local scientific nuclear reactor was com-

pleted. Professor Savic received a number of domestic and international awards including the Lomonosov and Rutherford gold medals and was a member of several foreign academies of sciences. He was an outstanding researcher, highly respected teacher and competent and authoritative director. Many distinguished Yugoslav scientists began their careers under his guidance.

Meetings

From 9-13 May 1995 the 10th Topical Workshop on Proton-Antiproton Collider Physics will be held at the Fermi National Accelerator Laboratory, Batavia, Illinois. Rajendran Raja and John Yoh of Fermilab are Co-Chairmen of the Workshop. Contact: C. M. Sazama, Fermilab, M.S. 122, P.O. Box 500, Batavia, IL 60510; Telefax: 708-840-8589 E-Mail: SAZAMA@FNALV.FNAL.GOV

The Fourth International Workshop

on Theoretical and Phenomenological Aspects of Underground Physics will be held from September 17-21, 1995 in Toledo, Spain. This Workshop is the fourth in the TAUP series which began in 1989 at Laboratori Nazionali del Gran Sasso (LNGS) and L'Aquila (Italy) and continued in 1991 at Toledo (Spain), and in 1993 at LNGS. Emphasis will be put on the many aspects of Astroparticle Physics, where astrophysical and cosmological problems are examined in the light of new results from nuclear and particle physics. Information from TAUP 95 Secretariat, Ms. Mercedes Fatas, Laboratorio de Fisica Nuclear, Universidad de Zaragoza, E-50009 Zaragoza, SPAIN. Phone: ++ 34 76 35.83.21 Fax: ++ 34 76 56.80.60 Telex: 58198 EDUCI E e-mail: decnet: 16456::TAUP95 internet: TAUP95@GAE.UNIZAR.ES

Japanese brochure

Now available is a brochure in Japanese entitled "1993 Joint Report of The Japanese Experimental Groups at CERN" describing the active collaboration between CERN and Japanese scientific laboratories involved in international particle physics research. Copies available from : Prof. Kiyoshi NIU, Physics Department, Nagoya University, Chikusa-ku, Nagoya 464, Japan or from Dr. James V. Allaby, PPE Division, CERN, 1211 Geneva 23, Switzerland (Fax. + (41-22) 767 94 50)



Project Head Satoshi Ozaki speaks as the first superconducting dipole is installed at Brookhaven in the tunnel for the Relativistic Heavy Ion Collider (RHIC) at Brookhaven on 5 August. Manufactured by Northrop Grumman, it is the spearhead of the 373 dipole and 1,700 total RHIC superconducting magnet complement.

RESEARCH ASSOCIATE POSITION EXPERIMENTAL HIGH ENERGY PHYSICS INDIANA UNIVERSITY

The Department of Physics at Indiana University invites applicants for a research associate position to work with the high energy physics group on the OPAL experiment at CERN. The position will be available beginning November 1994.

In OPAL the Indiana University Group has been playing a leading role in heavy flavor physics and in the development of the silicon microvertex detectors. We also have developed and maintain the offline analysis facility. SHIFT, which uses RISC computers and a high-speed network to access the large amount of data that has been collected by the OPAL detector.

Applicants should have an interest and experience in physics analysis and computing. Candidates must have a Ph.D. degree. Applications, including vitae, list of publications, and three reference letters, should be sent to:

High Energy Physics Secretary
Department of Physics
Indiana University
Bloomington, IN 47405

by November 1, 1994. Indiana University is an Equal Opportunity / Affirmative Action Employer.

Research Associate Experimental High Energy Physics University of Toronto

Applications are invited for a Research Associate position in High Energy Physics at the University of Toronto. The position is associated with the Third Level Trigger for the ZEUS experiment in DESY. The successful candidate will take part in a project to upgrade the cpu power and bandwidth of the system using an FDDI, and later perhaps ATM, network. For this aspect of the duties, a knowledge of C, UNIX, and TCP/IP would be a distinct advantage. The successful candidate will also demonstrate a strong interest in the physics accessible to ZEUS in the coming years, and will be encouraged to play an active role in the ZEUS physics analysis effort. Interested individuals should send a letter of application and curriculum vitae, and arrange to have three letters of reference sent to:

Professor Bob Orr
Physics Department
University of Toronto
60 St. George Street
Toronto, Ontario
Canada M5S 1A7

Fax: (416) 978-8221
Phone: (416) 978-6029
E-mail: orr@physics.utoronto.ca

In accordance with Canadian immigration regulations, this advertisement is directed in the first instance to Canadian citizens or permanent residents. Nonetheless, anyone interested is encouraged to apply. The University of Toronto strongly encourages applications by women, members of minority and aboriginal groups.

Post Doctoral Position

Max-Planck-Institute of Physics Munich, Germany

The Max-Planck-Institute of Physics invites applications for a postdoc position for the ALEPH experiment at CERN. The successful candidate is expected to contribute to the development of software for the silicon vertex detector and to contribute significantly to the physics analysis, especially in the field of B-physics.

The contract will be limited to two years, with the possibility of extension up to five years.

Candidates should have good knowledge of the hardware aspects and data analysis of modern experiments in particle physics, and they should hold a PhD or equivalent in physics. They should send a curriculum vitae, a list of publications, a summary of past and present research interests, and the names of three referees to

Frau Renate Saffert
Max-Planck-Institut für Physik
Postfach 40 12 12
Föhringer Ring 6
D-80805 München (Email REL@dmumpiwh.bitnet)

where also further information can be obtained. Applications should be sent as soon as possible, at latest by 30 November 1994.

FAKULTÄT FÜR PHYSIK UNIVERSITÄT FREIBURG

A position for a **RESEARCH ASSOCIATE** is open for applications. The successful candidate would be expected to work on matters related to the ZEUS detector components, for which our group has major responsibilities, i.e. calorimeter and presampler. It would be expected that the candidate becomes involved in physics analysis of the ZEUS data and also has interest in hardware. The position is available now. The appointment will be for 1 1/2 years with a renewal of 3 more years. The salary will be according to BATIIa. Also the option of an extension as a C1-position can be envisaged according to the ability of the candidate. Applicants should have obtained a PhD in Experimental Particle Physics or a related topic. Letters of application supported by a full *curriculum vitae* should be received by October 30, 1994 and addressed to:

Prof. A. Bamberger
Fakultät für Physik der Universität Freiburg
Hermann-Herderstr. 3
79104 Freiburg
Tel. +49 761 203-5714
e-mail: bamberger@vxdesy.desy.de

The **Max-Planck-Institut für Physik**, München, offers the position of an

experimental physicist (Ph.D.)

to participate in the execution of the experiment HEGRA (High Energy Gamma Ray Astronomy) to investigate ultra-high energetic cosmic rays at La Palma, Spain. In particular, his/her work will concentrate on the data analysis, but participation in the measurements at La Palma and in detector development is also expected.

Candidates should have broad experience in complex analysis programs and should be able to carry out scientific tasks independently.

The position is available as of fall 1994, and the contract will initially be limited to 3 years, with the possibility of an extension.

Applications together with a curriculum vitae, a list of publications and two references, should be sent as soon as possible to

Prof. N. Schmitz
Max-Planck-Institut für Physik
Föhringer Ring 6
80805 München
Germany

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Format A4

Monthly publication

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Inquiries for the rest of the world: please see page III.

ISTITUTO NAZIONALE DI FISICA NUCLEARE (I.N.F.N.)

Post-doctoral fellowships for non Italian citizens in the following research areas:

Theoretical Physics (n.8)

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Applications are invited for one year fellowships, which will start from September to November 1995.

Fellowships are intended for young post-graduates (candidates must not be more than 35 years of age at the time of application).

Each fellowship is granted for one year, and may be extended for a second year.

The annual gross salary is lit. 30,000,000, plus travel expenses for a return trip from home Institution to the I.N.F.N. Section or Laboratory. Lunch tickets will be provided during work days.

Candidates should submit an application form and a statement of their research interests, including three letters of reference.

Applications should reach I.N.F.N. not later than November 30, 1994.

A decision will be taken and candidates informed by the end of April 1995.

The successful applicants may carry on their research at any of the following laboratories and sections of I.N.F.N.:

National Laboratories of Frascati (Rome), National Laboratories of Legnaro (Padova), National Southern Laboratories (Catania) and National Gran Sasso Laboratory (L'Aquila).

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Enquiries, requests for application forms, and applications should be addressed to:

Fellowship Service - Personnel Office, Istituto Nazionale di Fisica Nucleare (INFN) -

Casella Postale 56 - 00044 Frascati (Roma) Italy.

ELECTRON TUBES FOR PARTICLE ACCELERATION AND FUSION.

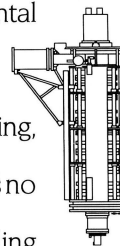
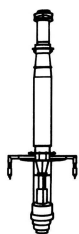
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