

Participants at a workshop in Dubna in May on QCD at finite temperature, bound states and nuclear dynamics, organized in the context of the new 'Heisenberg-Landau' programme to foster high energy physics, especially theory, collaboration between Dubna in Russia and German research institutes.

In this context an initial workshop on 'Quantum Chromodynamics at finite temperature, bound states and nuclear dynamics' at Dubna in May led to fruitful discussions and plans for closer future collaboration.

The follow-up seminar in the new programme will be in November, organized by Dubna and Rostock. The Heisenberg-Landau scheme also sponsored a student summer school in Dubna in August on particle and nuclear physics.



People and things

Hungary becomes CERN's 18th Member State

At the meeting of CERN Council on 26 June, delegates of CERN's existing 17 Member States voted unanimously to admit the Republic of Hungary as the Organization's 18th Member State, with effect from 1 July. Following the dramatic political changes in Central and Eastern Europe over the past few years, CERN is leading the way towards a unified scientific Europe.

Hungary thus joins Austria, Belgium, the Czech and Slovak Federal Republic, Denmark, Finland, France, Germany, Greece, Italy, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, and the United Kingdom. Hungary has a well

A special event at CERN on 9 July marked the 80th birthday of Willibald Jentschke (seated, right), DESY pioneer and CERN's Director General from 1971-75. Speakers paying tribute included Victor Weisskopf (standing, CERN's Director General from 1961-5), and (seated, left to right) CERN's current Director General Carlo Rubbia and Director General from 1981-88 Herwig Schopper. (Photo CERN HI 8.7.92)





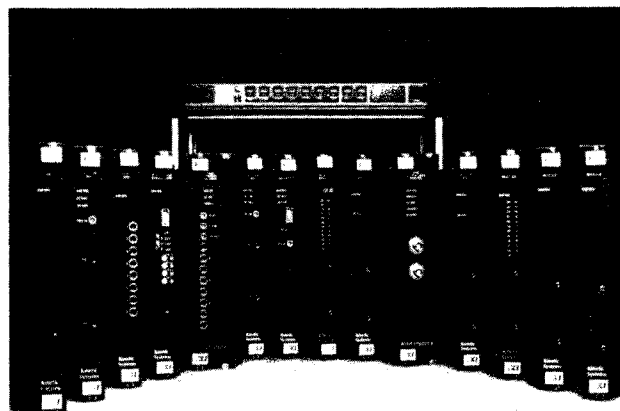
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An event at CERN on 30 June marked the departure of John Thresher, Research Director since 1986. Among his duties during this time, he kept a fatherly eye on the LEP experiments as they made the change from giant construction projects to prolific physics studies. Here he receives his coveted LEP clock from Steve Myers (background), deputy leader of SPS and LEP Division.
(Photo CERN GE 68.6.92)

established tradition in fundamental physics, with a history of eminent names. The establishment of The Central Research Institute for Physics (CRIP) of the Academy of Sciences in the mid-1950s marked the debut of large scale involvement in modern high energy physics.

Also at the June meeting of CERN Council, Jan Bezemer of the Netherlands was elected as Vice-President of Council, succeeding Pierre Lehmann who died in January. Giorgio Bellettini was elected as a member of CERN's Scientific Policy Committee.

Willibald Jentschke 80

A special symposium at CERN on 9 July marked the 80th birthday of Willibald Jentschke, DESY pioneer and subsequently CERN's Director General from 1971-75. Before the scientific part of the symposium, three CERN Director Generals - present incumbent Carlo Rubbia, fellow Austrian Victor Weisskopf (1961-5), and Herwig Schopper (1981-8) - paid tribute to his contributions to physics, his leadership during an important evolutionary period at CERN, and his driving role in the creation of the DESY Laboratory in Hamburg.

In the mid-1950s Jentschke returned to Europe from the US to become director of the Hamburg Institute of Physics, and was soon nominated to lead a new project to build a world-class electron machine, the future DESY - Deutsches Elektronen Synchrotron. As the first director of this new Laboratory, he set its sights high, ensuring that it continues to be a world-class centre to this day. During his period as Director General at CERN, he



LEP notables at the John Thresher retirement event at CERN. Left to right, SPS and LEP Division Leader Lyn Evans, Opal experiment spokesman Aldo Michelini, Aleph experiment spokesman Jacques Lefrançois, LEP Experiments Committee Chairman Jacques Haissinski, and Delphi experiment spokesman Ugo Amaldi.
(Photo CERN GE 67.6.92)



steered the Laboratory through an era of transition which saw the emergence of much new physics, while the commissioning of big new machines and detectors set the stage for today's style of research.

Several speakers underlined Jentschke's lifelong commitment to internationalism, well matched to a scientific activity which uses the world as its stage.

IHEP Beijing Directorate

The directorate at the Institute of High Energy Physics (IHEP), Beijing, has been changed recently. Former deputy director Zheng Zhipeng becomes the institute's director for the next four years, succeeding Fang Shouxian, appointed in August 1988. Professor Fang continues as director of the National Laboratory of Beijing Electron Positron Collider. The new IHEP deputy directors are: Wang Shuhong, Xu Shaowang, Ma Tongjun and Zhao Weiren.



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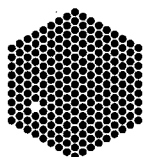
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Coinciding with the 13th European Cosmic Ray Symposium, held at CERN from 27-31 July, a special Astroparticle Physics exhibition, organized jointly by CERN's Microcosm unit and the Italian INFN, generated a lot of interest. Seen here at the exhibition's opening are (left to right) INFN President Nicola Cabibbo, co-organizer Alessandro Pascolini (who is also CERN Courier's Italian correspondent) and CERN Director General Carlo Rubbia. Also at the opening ceremony was Italian Ambassador Giulio di Lorenzo Badia.
(Photo CERN HI 70.7.92)



Gesellschaft and the UK Institute of Physics in recognition of his experimental contributions to particle physics. As well as investigating the structure of weak interactions, he has also played a pioneer role in the development of drift chamber detectors and the subsequent jet chamber for the JADE experiment at PETRA, DESY. He worked at CERN from 1959-64.

Frederick Reines of Irvine received the US Franklin Medal for 'the experimental discovery of the neutrino and the subsequent detailed study of its properties and interactions, including the first detection of neutrinos from a supernova'. At the same ceremony, the Franklin Institute awarded its John Price Wetherill Medal to Gerald Brown of Stony Brook for his contributions to theoretical physics and astrophysics, covering quantum electrodynamics, nuclear physics, and supernovas.

On people

Victor Weisskopf receives the American Institute of Physics Karl Taylor Compton medal for Distinguished Statesmanship in Science. The citation reads 'Victor F. Weisskopf, brilliant physicist and great statesman in science, has led scientists throughout the world in advancing science, promoting peace and seeking solutions to the world's problems. As Director General of CERN he led one of the world's most successful scientific cooperations and as founding father of HEPAP (the US High Energy Physics Advisory Panel) he successfully reconciled the conflicting demands of particle physicists. As a teacher and author he encourages and strengthens the finest traditions and deepest values of science.'

Bruno Zumino of LBL Berkeley and Julius Wess of Munich receive this year's Wigner medal for their development of supersymmetry, work which began when they were both in CERN's Theory Division. The Wigner medal is awarded biennially to recognize outstanding contributions to the understanding of physics through group theory.

Joachim Heintze of Heidelberg receives the Max Born Prize awarded jointly by the Deutsche Physikalische

From 25-27 May an important joint European Physical Society - American Physical Society meeting took place in Budapest, where the two societies agreed to coordinate their efforts and to collaborate as much as possible to help physics in Central and Eastern Europe and the former Soviet Union. Together at the meeting are (left to right) EPS President Maurice Jacob, APS President Ernest Henley, and EPS Vice President Norbert Krow.



Louis Michel - formal retirement



C. Conrad Gelbke of Michigan State University has become the Director of the US National Superconducting Laboratory at MSU.

Louis Michel

Louis Michel of the Institut des Hautes Etudes Scientifiques, Bures-sur-Yvette, France, passes a formal retirement milestone this year. His classic work has included the famous rho parameter (the 'Michel parameter') for muon decay, the Bargmann-Michel-Telegdi equation for relativistic spin behaviour in an electromagnetic field, conservation of isotopic parity (later called G-parity) in strong interactions, and the consequences of parity violation in weak interactions. As well as particle physics, Louis Michel is well known for his group theory expertise and for new insights into condensed matter physics. From 2-9 June, a colloquium held in his honour at the Ecole Normale Supérieure de Lyon was attended by many collaborators,

colleagues and friends from all over the world.

From A. Martin and R. Stora

Francis Perrin 1901-1992

Distinguished French nuclear physicist Francis Perrin died on 4 July. Son of the famous nuclear pioneer Jean Perrin, who received the Nobel Prize in 1926, he was exposed to top-flight physics from an early age, and recalled with pride that Albert Einstein came to dinner at the Perrin home in Paris in 1912.

His major contributions came in Paris in the 1930s, greatly influenced by the work of Irène and Frédéric Joliot-Curie. With Pierre Auger in 1932 he made some initial suggestions on nuclear composition. At the famous Solvay Conference in

1933, attended by all the great names, the young Perrin proposed the idea of positron emission, but more importantly, helped steer contemporary thinking towards the the modern concept of beta decay. Fermi's first 1934 paper on the subject acknowledges Perrin's suggestion that the neutrino could be massless.

In 1946 he became Professor at the Collège de France, where he remained until his formal retirement in 1972. He was High Commissioner of the French Atomic Energy Commission from 1951 to 1970. In

An event at Tel Aviv University celebrated the 80th birthday of mathematician Naoum Nathanovitch Meiman, who recently emigrated to Israel from Russia. He has made important contributions to mathematical physics, in particular the Pomeranchuk theorem, besides his work in pure mathematics. Speakers at the event also highlighted his commitment to human rights while he lived in Moscow.



The distinguished French physicist Francis Perrin, who died on 4 July, was also an influential figure in early CERN affairs. He is seen here, left, making up with Robert Valeur (centre) the French delegation at the meeting of CERN Council in Geneva in 1954. Right is Danish physicist Jacob Nielson. (Photo CERN)



1926 he married Colette Auger, sister of Pierre Auger.

At CERN, he was Vice-President of the Council of the provisional Organization in 1952, and his name appears for France on the 1954 document ratifying the establishment of the international Laboratory. He served as France's Council delegate for fifteen years, from 1955 to 1970, and was a member of the Scientific Policy Committee for a similarly lengthy span, from 1960 to 1975.

At the end of May, a Romanian truck transported some five tons of surplus CERN equipment, including a VAX computer and several PDPs, to Bucharest for the University and for the Institute of Atomic Physics. A similar load will shortly be sent to the Albanian Institute of Nuclear Physics in Tirana. (Photo CERN 23.5.92/5)

new premises, although the AIP will retain its publishing centre on Long Island, New York, and its marketing and advertising offices in New York City.

Meeting

The First European Workshop on Beam Instrumentation and Diagnostics for Particle Accelerators will be held from 3-5 May 1993 in Montreux, Switzerland. Further information from the Workshop Secretariat: Ch. Parthé, CERN, SL Division, 1211 Geneva Switzerland, fax +41 22 782 2850, e-mail DIPAC@CERNVM. It is intended to hold the workshop every two years, organized in turn by different European accelerator centres.

American Center for Physics

The American Center for Physics, the new headquarters of the American Institute for Physics (AIP), the American Physical Society, and the American Association of Physics Teachers, will be located in suburban Washington DC, where a new building will be complete in the fall of 1993, near the College Park campus of the University of Maryland. Many activities will be transferred to the





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Professor & Associate Director for Accelerators, National Superconducting Cyclotron Laboratory, Michigan State University

The National Superconducting Cyclotron Laboratory is seeking an experienced accelerator scientist to lead its accelerator section. The activities of this section include developing concepts for next generation nuclear physics accelerators, innovating accelerator related nuclear experimental devices, improving performance or use of existing NSCL facilities, etc. Michigan State also has an accelerator physics Ph.D. program of long standing with a large number of graduate students.

The NSCL has a technical staff of approximately 100, with over 50 scientists and engineers. It has world leadership stature in the superconducting cyclotron area. (The "K500" was the first superconducting cyclotron to come into operation, the "K1200" is the highest energy cyclotron.) Applicants should have a Ph.D. in accelerator physics or a related field and a demonstrated ability to generate and develop concepts independently, to do independent research, and to plan and execute large projects. Applicants should submit a curriculum vitae & the names of three references to H. Blosser, Chair, Accelerator Search Committee, National Superconducting Cyclotron Laboratory, Michigan State University, S. Shaw Lane, East Lansing, MI 48824, USA.

Applications received by October 1, 1992 will receive full consideration, but applications and nominations will be received until the position is filled. MSU is an affirmative action/equal opportunity institution.

Research Associate: Experimental High Energy Physics. The State University of New York at Stony Brook.

Applications are invited for a postdoctoral research associate position to work on the design and building of the KLOE general purpose detector for the DAΦNE accelerator. KLOE is a detector optimized for the study of CP violation in K^0 decays. With the high luminosity expected at the DAΦNE machine, we will also be able to study many rare decay modes. The position will require residency at dei Laboratori Nazionali di Frascati, Frascati, Italy. The position offers opportunities for both hardware and software activities as the project goes from its design stage, thru building and finally to its running stage. The position is for one year, typically renewed for two additional years (pending continued funding and satisfactory performance) at a starting salary of \$22,000 to a maximum of \$35,000 depending on experience. Application, including vitae and three letters of reference should be sent to: Professor Juliet Lee-Franzini, dei Laboratori Nazionali di Frascati dell' INFN, CP 13 Via E. Fermi 40, I-000444, Frascati, Italy. SUNY at Stony Brook is an affirmative action/equal opportunity educator and employer. AK186.

Seville

CERN's participation at the Seville Expo '92 World Fair included two special events, each highlighting a country relatively new to the CERN family. The first, from 10-12 May, featured Israel, which became a CERN Observer State last year, and the second, on 4-5 June, put the spotlight on Finland, a Member State since 1990. Each event included exhibits of the country's high technology on CERN's stand in the Ambiente '92 hall.

Israel displayed scientific equipment supplied for the OPAL and CERES experiments at CERN, together with industrial communications and computing equipment from Phasecom, RAD and IIS, all firms which have contributed equipment to CERN in the framework of the CERN-Israel cooperation agreement.

For Finland, a special research and technology exhibition was organized together with SEFT, the Finnish national research institute for high

energy physics. The major themes were semiconductor detector research and high speed telecommunications.

30 September sees the climax of CERN's Seville season, the special 'CERN Day of Science'.

San-qiang Qian (San-tsiang Tsien) 1913-1992

Outstanding Chinese nuclear physicist San-qiang Qian, founder of China's nuclear research, died of a heart attack on June 28 in Beijing at the age of 79. He was a special adviser to the Chinese Academy of Sciences (CAS), a member of the Academic Council of CAS, and the honorary chairman of the Chinese Association for Sciences and Technology.

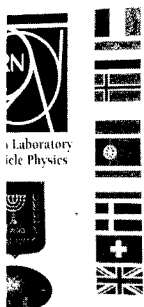
Born in 1913, he graduated from Qinghua University in 1936. The following year he went to France to do nuclear research at the Curie

Laboratory in Paris. After receiving a French doctorate in 1940, he embarked on a successful research career in France and won the Henry De Parville Award for Physics at the French Academy in 1946. Together with his wife Ze-hui He, also a famous nuclear physicist, his investigations of uranium in 1946-47 deepened the understanding of nuclear fission.

After returning to China in 1948, he actively participated in the organization of the Chinese Academy of Sciences and its Academic Council. He set up the Institute of Modern Physics (to become the Institute of Atomic Energy), the first nuclear research base in China. He served as director of the institute for 28 years and was also appointed as deputy minister of the 2nd Machinery (later the Nuclear Industry) Ministry in 1958. A major contribution was to help develop his country's nuclear research from almost scratch.

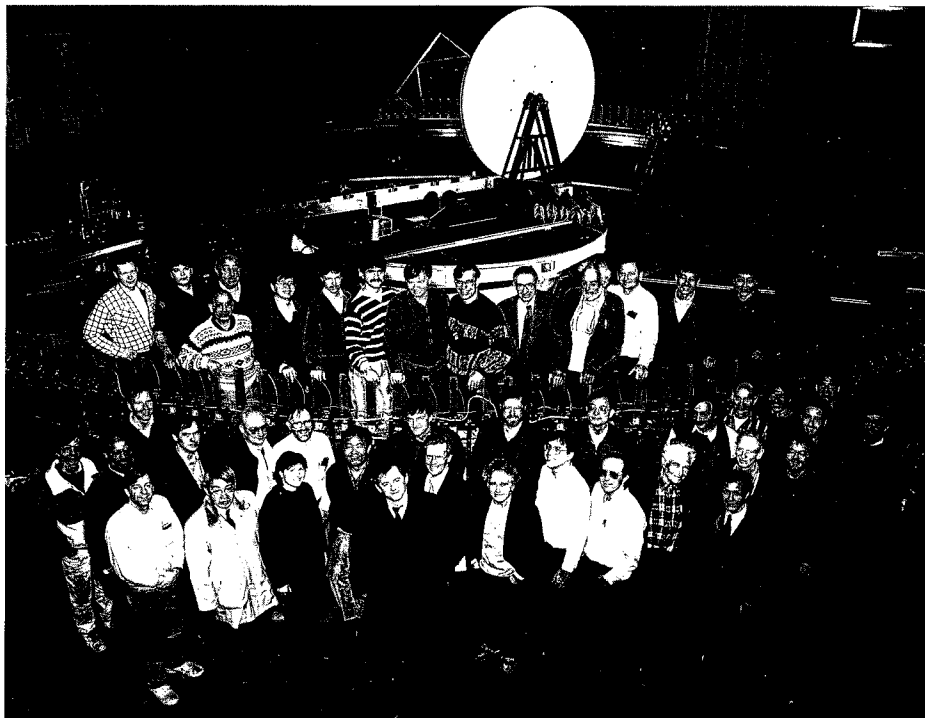
In 1978-85 he was elected CAS vice-president, where he worked hard to promote international scientific collaboration, heading CAS delegations to many countries, which resulted in numerous collaboration agreements. After visiting CERN in 1978 and the US in 1980, he helped to develop exchange programmes in high energy physics with Europe and the US. This led to the construction

From the journey to the beginning of the Universe



CERN's participation at the Seville Expo '92 World Fair included two special events, each highlighting a country relatively new to the CERN family. The first, from 10-12 May, featured Israel, which became a CERN Observer State last year. Seen here on the CERN stand in the Ambiente '92 hall are (left) Giora Mikenberg of the Weizmann Institute and the Opal experiment, with Yael Naaman, sales manager of the IIS firm. The second event, on 4-5 June, put the spotlight on Finland, which became a member State in 1990.

Members of a Boston/Brookhaven/Cornell/Fairfield/Heidelberg/Los Alamos/Novosibirsk/Tokyo/Riken/Yale collaboration standing in front of a partially completed storage ring coil for an experiment at Brookhaven to measure the anomalous magnetic moment of the muon ($g-2$) with unprecedented accuracy. The completed apparatus will contain two such 14-metre diameter superconducting coils (September 1991, page 23).



and operation of the Beijing Electron Positron Collider, the first high energy accelerator in China. In 1985 he became Officier of the French Légion d'Honneur. During the 1980s he was elected president of Chinese Physical Society and honorary president of Chinese Nuclear Society, among other responsibilities, and kept working until the last moment of his life. Professor Qian had a life-long commitment to educate and train the younger generations, and many of his students now are active in various fields of Chinese scientific research.

From his colleagues

Mass Spectrum

Instrumentation specialists LeCroy Corp are hosting this year's Conference on Instrumentation for Time-of-Flight Mass Spectrometry, to be held 11-12 November at LeCroy headquarters, Chestnut Ridge, New York. Contact George Blonar, LeCroy Corp, 700 Chestnut Ridge Road, Chestnut Ridge, NY 10977-6499, tel (914) 578-6012, fax (914) 578-5984.

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

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ist zum 01. April 1993 die Stelle eines/r

WISSENSCHAFTLICHEN ASSISTENTEN/IN
im Beamtenverhältnis auf Zeit (C 1)

zu besetzen.

Eine vorzeitige Einstellung als Wiss. Angestellte/r (BAT
IIa) ist erwünscht.

Voraussetzung : Qualifizierte Promotion

Das Aufgabengebiet umfasst Lehre und Forschung auf
dem Gebiet der experimentellen Hochenergiephysik. Die
Beteiligung an der Analyse tief-inelastischer Elektron-
Proton-Wechselwirkungen im H1 Experiment bei HERA
sowie eine aktive Mitarbeit beim H1 Upgrade Programm
werden erwartet. Erfahrungen auf den Gebieten der
Datenanalyse auf UNIX Workstations und/oder der
Instrumentierung von Hochenergiephysik Experimenten
(Kalorimetrie) wären von Vorteil.

Bewerbungen mit den üblichen Unterlagen sind bis zum
15. Oktober 1992 zu richten an :

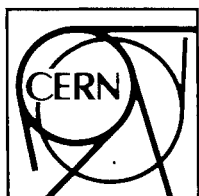
**Professor Dr. K. Meier, Institut für
Hochenergiephysik, Schröderstrasse 90, D - 6900
Heidelberg.**

*Schwerbehinderte werden bei gleicher Eignung
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Faculty Opening in Physics University of California at Berkeley

The Physics Department of the University of California
at Berkeley, pending budgetary approval, intends to
make one more faculty position appointment(s) at the
tenure-track assistant professor level effective July 1,
1993. In exceptional circumstances appointment at a
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applications from both theorists and experimentalists in
condensed matter physics (including low temperature
physics), astrophysics and space physics, particle physics,
plasma physics and non-linear dynamics, and newly
emerging subfields of physics.

Please send a curriculum vitae, bibliography, statement
of research interests, and a list of references to **Professor
Herbert Steiner, Chairman, Department of Physics,
Berkeley, California 94720, USA**, before November
13, 1992. Applications submitted after the deadline will
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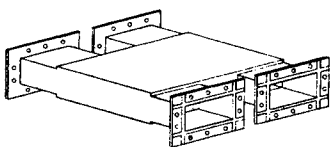
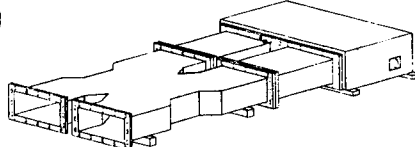
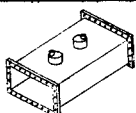
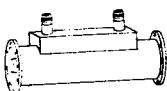
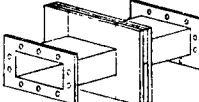
Organized visits take place only on Saturdays, at 9.30 a.m.,
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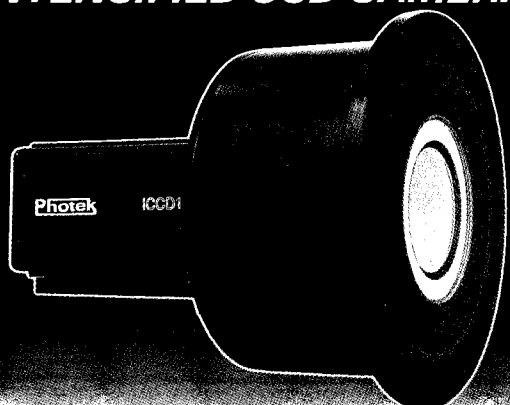
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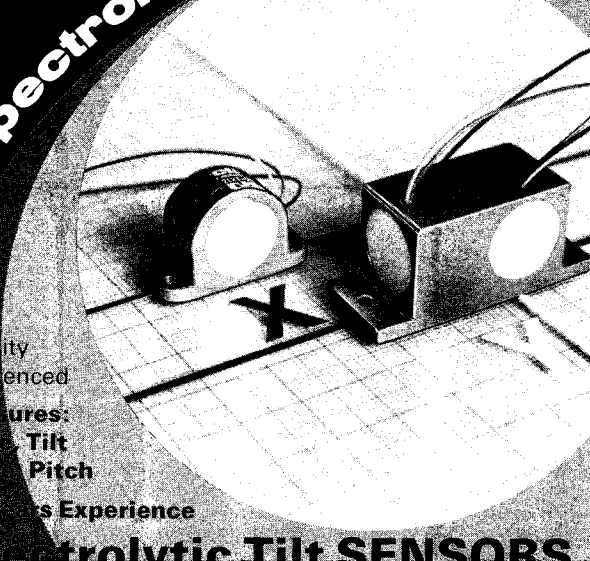
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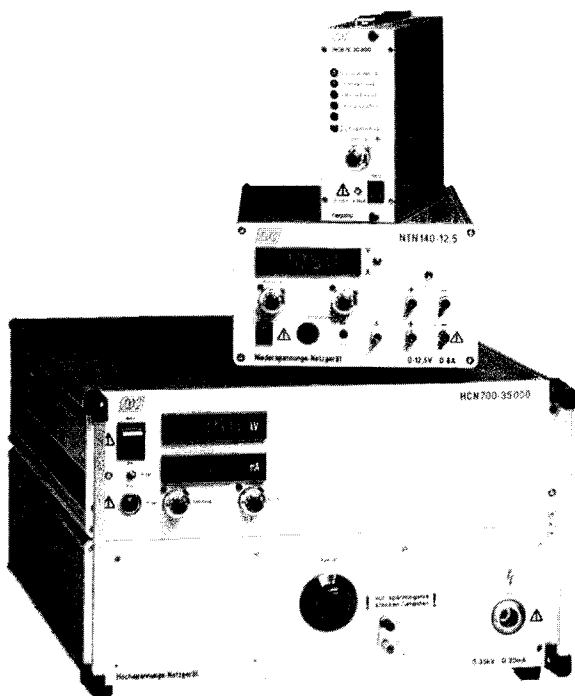
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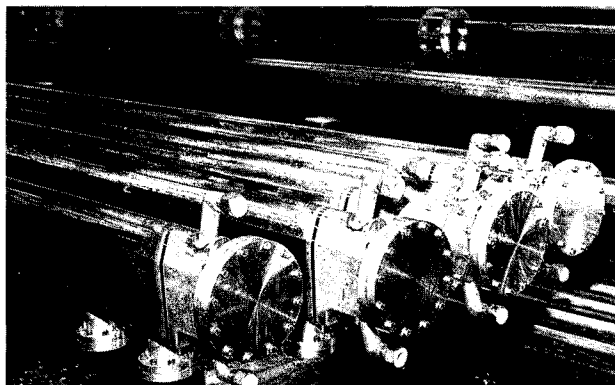


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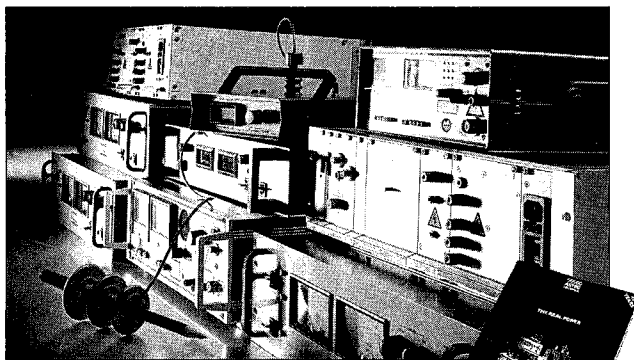


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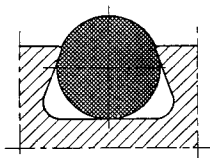
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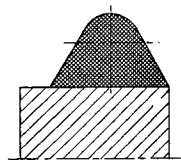
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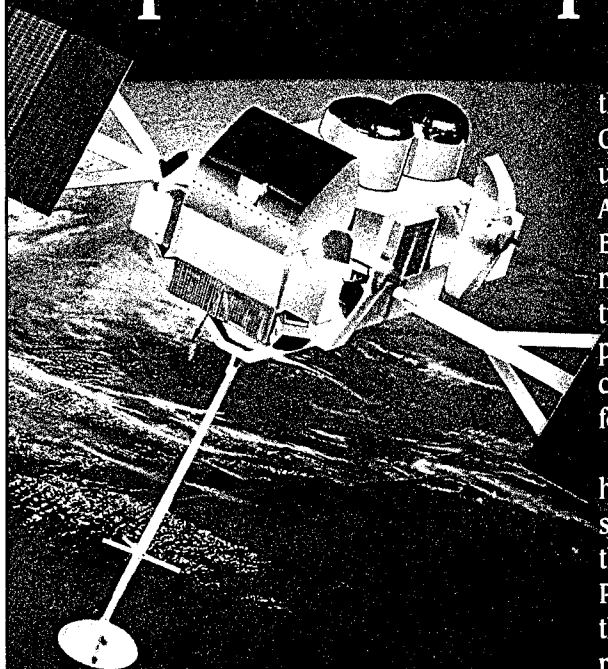


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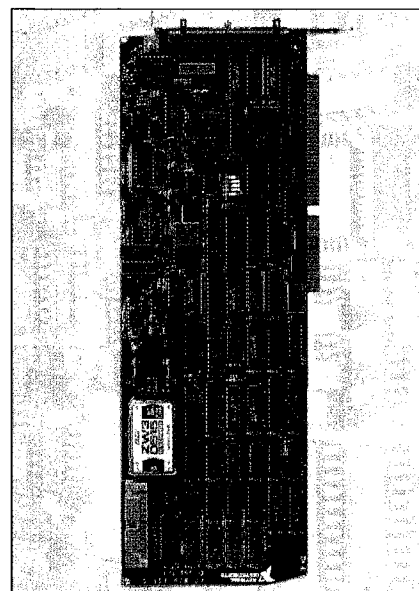
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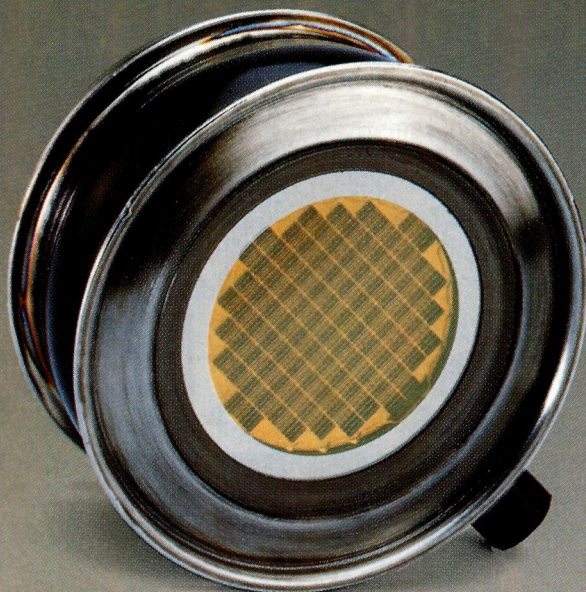
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