

People and things

He was a long-standing member of the Council of ESRO.

Everyone who encountered and liked "Beppo" were struck by the force of his personality and the wide extent of his knowledge and interests, which ranged from mountaineering, especially pot-holing, to literature and art. Extremely knowledgeable, he could discuss these subjects for hours, sometimes paradoxically but always intelligently. His friends used to say that he was the last Renaissance man.

Those friends covered a vast field, from Pyrenean pot-holers to artists and poets, and of course physicists, including famous names like Rossi, Blackett and Pauli.

He showed steadfast consideration for others, loyalty to his friends and honesty in science and, indeed, in everything.

Active before CERN even came into being, he made major contributions to the discoveries which motivated and justified the foundation of the Laboratory.

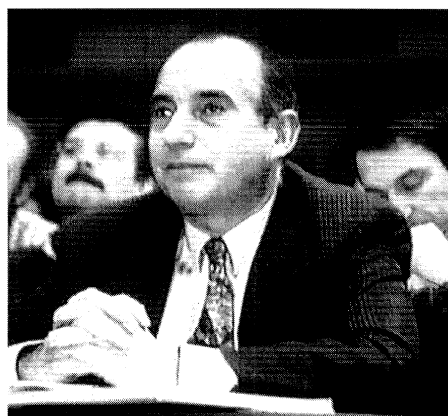
From C. Peyrou

Element 106

Element 106 has been confirmed. First discovered at the Lawrence Berkeley Laboratory's HILAC machine in 1974, element 106 has remained nameless because of disputes with Russian scientists. In 1992, the International Union of Pure and Applied Physics (IUPAP) finally gave credit for discovery to the LBL group, but a separate protocol in 1976 suggested that the naming of the element should await a confirmation experiment. Such a measurement has only now been made. Scientists using the LBL 88-inch cyclotron bombarded californium 249 atoms with oxygen 18 ions, forming element 106 (atomic weight 263), which decayed with a lifetime of 0.9 sec. into rutherfordium 259 plus an alpha particle.

Bernard Grossetête 1938-93

Bernard Grossetête, Director of the Laboratory of Nuclear and High Energy Physics (LPNHE), Jussieu, Paris, died recently at the age of 55. After studying at the Ecole Normale Supérieure in Paris, he obtained his doctorate at Orsay's linear accelera-



Bernard Grossetête 1938-93

tor Laboratory (LAL) under Pierre Lehmann, going to study electromagnetic properties, radiative corrections, and photoproduction. From 1974 he was a member of the Orsay team working at CERN's Omega spectrometer.

After a spell at CELLO at DESY, he took charge of the LPNHE, where his new dynamism led to the Laboratory's involvement in major new projects at CERN and elsewhere. He was keenly aware of emerging new trends, for example in large showers induced by cosmic ray photons or new techniques for acceleration. Very involved in university teaching, he was the author of several texts.

SLAC Summer Institute

The XXII SLAC Summer Institute on Particle Physics, entitled Particle Physics, Astrophysics and Cosmology, will be held from 8-19 August at SLAC (Stanford Linear Accelerator Center). A seven-day school will be followed by a three-day topical conference in a package designed primarily, but not exclusively, for post-doctoral experimental physicists. Advanced graduate students are also welcome. Further information from the Conference Coordinator, Lilian Vassilian, SLAC, PO Box 4349, MS 62, Stanford, California 94309. Fax (415) 926-3587, e-mail ssi@slac.stanford.edu

Meetings

An International Symposium on Exotic Atoms and Nuclei will be held from 7-10 June 1995 in Hakone, Japan, in honour of the 60th birthday of Professor Toshimitsu Yamazaki, the director of Tokyo's Institute for Nuclear Study. The topics to be



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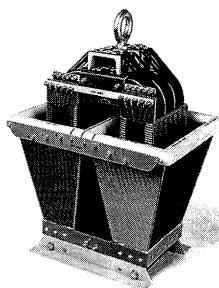
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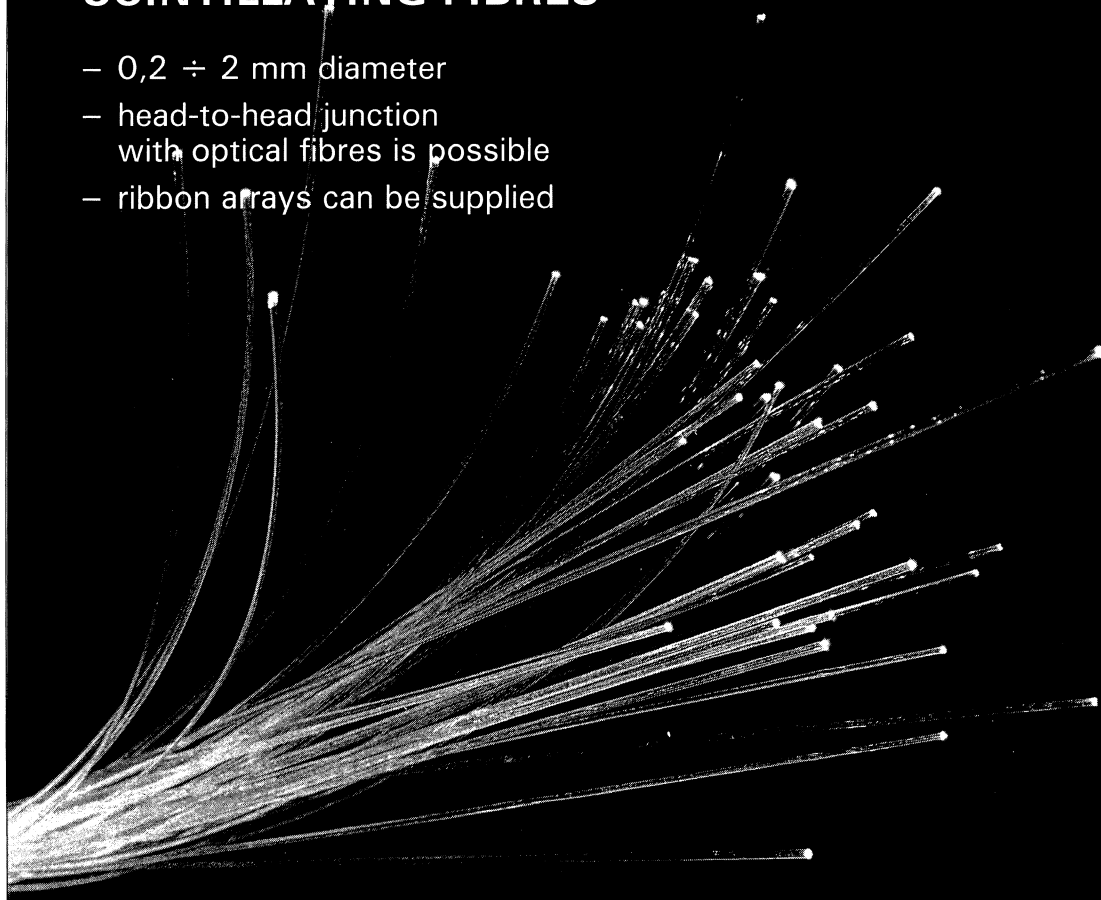


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discussed will include: Muonic atoms and molecules; Hadronic atoms; Hypernuclei; and High-spin states of atoms and nuclei. For further information contact Prof. S. Hayano, Physics Dept, University of Tokyo, 7-3-1 Hongo, Bunkyo-ku, Tokyo 113, Japan, e-mail 41495::hayano or hayano@tkyvx

The IX International Workshop on High Energy Physics and Quantum Theory, sponsored by DESY, will take place from 16-22 September at Zvenigorod near Moscow. Further information from the organizer (or the Workshop Secretary): V. Savrin (Mrs. Valeriya Keshek), Nuclear Physics Institute, Moscow State University, 119899 Moscow, Russia. Fax: (095) 939 03 97; E-mail: qfthep@npi.msu.su

An international symposium on strangeness and quark matter will be held from 1-5 September in Crete, covering 1. strangeness and quark-gluon plasma, 2. strangeness condensation, 3. strange astrophysics, 4. strangelets, 5. dedicated instrumentation for strangeness and quark matter, and 6. a symposium. Information from the Secretariat, University of Athens, Physics Dept., Nuclear & Particle Physics Division, Panepistimioupolis, Greece-15771 Athens, tel. (30-1)7247502, 7243362,

7243143, fax (30-1)7235089, email gvassils@atlas.uoa.ariadne-t.gr

The Nuclear Physics Division, Faculty of Science, Safarik University, Kosice, the Institute of Experimental Physics, Slovak Academy of Sciences, Kosice, the Institute of Physics, Slovak Academy of Sciences, Bratislava, the Faculty of Mathematics and Physics, Comenius University, Bratislava, the Union of Slovak Mathematicians and Physicists, Kosice, and the Slovak Physical Society, Bratislava are organizing the Hadron Structure '94 conference in Kosice, Slovakia, from September 19 - 23. Attendance is limited to about 60 participants. Main topics will be - Deep inelastic phenomena, High energy heavy ion physics, and Non-perturbative QCD and QCD motivated models. Please contact the following before April 30: Stanislav Vokal, Nuclear Physics Division, Safarik University, Jesenna 5, SK-041 54 Kosice, Slovakia. Fax: 0042-95-62.221.24 e-mail: hs94@kosice.upjs.sk

Beam Instrumentation Workshop

The 6th Beam Instrumentation Workshop will be held in Vancouver, Canada, 2 - 6 October 1994. The workshop is concerned with the

engineering issues and design principles of beam diagnostic instrumentation for charged particle accelerators and beam transport lines. The program will include, in addition to invited and contributed papers, discussion sessions on topics chosen by registrants and tutorials at an introductory level. The Faraday Cup prize for innovative beam instrumentation is once again being supported by Bergoz, Inc. Further information: Maria Freeman, BIW94 Secretariat, TRIUMF, 4004 Wesbrook Mall, Vancouver, B.C., Canada V6T 2A3, phone: (604) 222-1047, fax: (604) 222-1074, e-mail: biw94@triumf.ca

CERN Courier contributions

The Editor welcomes contributions. As far as possible, text should be sent via electronic mail.

The address is
courier@cernvm.cern.ch

Plain text (ASCII) is preferred. Illustrations should follow by mail (CERN Courier, 1211 Geneva 23, Switzerland).

Contributors, particularly conference organizers, contemplating lengthy efforts (more than about 500 words) should contact the Editor (by e-mail, or fax +41 22 782 1906) beforehand.



Participants from Belarus, Canada, Germany, France, Kazakhstan, Poland, Russia and Japan at the VII International Workshop on High Energy Physics and Quantum Field Theory and III Workshop on Physics at VLEPP, held last September at Zvenigorod near Moscow. Despite the economic difficulties in Russia, sponsorship from DESY and MPI(Munich) ensured an optimistic mood at the meeting.

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M. K. Craddock



The Franco-Portuguese scientific meeting, organized in Paris by the Gulbenkian Foundation in January, had particle physics as one of the four keynote topics. Photographed outside the Paris Gulbenkian Centre by Maurice Jacob were (left) J.M. Gago of Lisbon and A. Policarpo of Coimbra.

Jean Teillac 1920-94

Former President of CERN Council Jean Teillac died on 10 March. He was elected to that post in June 1978, at a critical time for CERN as the President-elect, Bernard Gregory, had died in December 1977 before assuming office.

His presidency saw a major change in CERN's profile. As well as the experimental programme at the then new SPS proton synchrotron coming to fruition, Professor Teillac's historic 1978-81 mandate also covered the launching, approval and final commissioning of the ambitious programme to convert the SPS into a proton-antiproton collider which revitalized CERN science. Finally in 1981, under his presidency, CERN Council voted the construction of the LEP electron-positron collider.

After assuming the chair of nuclear physics at Paris in 1958, Professor Teillac took on a series of key roles - Director of the famous Institut du



Radium and Director of Orsay's Nuclear Physics Institute. In the 1960s he founded the French National Institute for Nuclear and Particle Physics (IN2P3), and from 1975 went on to be High Commissioner for Atomic Energy. Concurrently with his presidency of CERN Council, he also had a parallel role at Euratom's Joint European Torus (JET). His national and international accomplishments earned him the accolade of Officer of the Légion d'honneur.

NORTHEASTERN UNIVERSITY

TENURE TRACK POSITION IN EXPERIMENTAL PARTICLE PHYSICS

The Physics Department at Northeastern University invites applications for a tenure-track position in Experimental Particle Physics at the level of assistant professor. We seek individuals with a demonstrated record of outstanding research, as well as a promise of excellent teaching, and with a capability to initiate and maintain a leading research program. The Department has ongoing funded research programs with L3 at CERN and with D0 at FNAL, as well as a program of detector development at Northeastern. We anticipate filling the position for the Fall 1994 quarter. There is no formal closing date. Applications, as well as three reference letters, should be addressed to: EPP Search Committee, c/o Yvette Randall, Physics Department, Northeastern University, 360 Huntington Ave., Boston, MA 02115-5096.

Northeastern University is an equal opportunity, affirmative action employer.

University of Copenhagen Niels Bohr Institute for Astronomy, Physics and Geophysics

Associate Professorship in Theoretical High Energy Physics

A position as associate professor (lektor) in theoretical high energy physics at the Niels Bohr Institute for Astronomy, Physics and Geophysics (NBIfAFG) will be open from September 1, 1994.

The permanent high energy theory staff at the Niels Bohr Institute has four members and in addition there is always a number of junior researchers, post doctoral fellows and long term visitors associated with the group. The present size of the group is 15 plus Ph.D. students. The activities of the group are fully integrated with those of the high energy group at the Nordic Institute for Theoretical Physics (NORDITA), and this brings the combined high energy theory group to a size of approx. 25 long term people. The active areas of research include conformal field theory, cosmology, lattice gauge theory, non-perturbative field theory, quantum gravity, random surface and string theory. Applications from people working in the areas of astrophysics/particle physics and phenomenology are also encouraged.

The chosen candidate is expected to play a leading role in research in one of the areas given above. He/she is further expected to participate in the University teaching program at all levels. This includes the supervision of Ph.D. students. The language of undergraduate instruction is Danish, but English will be accepted for the first two years of the appointment.

The application must include a *curriculum vitae* and a complete list of publications with a special indication of which publications are considered most relevant for this position. Information about teaching experience must also be enclosed.

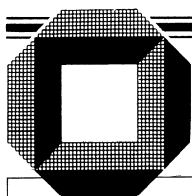
The applicants' qualifications will be evaluated by a specially appointed Committee, and the entire report of the Evaluation Committee will be sent to all applicants. The Evaluation Committee may ask for supplementary material, which the applicant then must provide in the requested number of copies.

Information about research plans, facilities and staff may be obtained from the Director, Professor Ole Hansen, Niels Bohr Institute for Astronomy, Physics and Geophysics, Blegdamsvej 17, DK-2100 COPENHAGEN Ø, Denmark; telephone +45 35325292, fax: +45 35431087, E-mail: oleh@nbi.dk.

The position will be under a continuing contract as agreed between the Confederation of Professional Unions and the Ministry of Education. The annual salary depends on seniority and ends at a maximum of 326,558 DKK after contributions to the pension scheme.

The application, marked "05-221-68/94-5207 L/1-94" and written in English, must be mailed to the Faculty of Science, Blegdamsvej 3, DK - 220 Copenhagen N, Denmark. Applications, in order to be considered, must have been received by the Faculty of Science no later than June 1, 1994.

Three copies of the application, and in addition three copies of a brief outline of proposed research, should be mailed to the Director of the Niels Bohr Institute for Astronomy, Physics and Geophysics. No further material should be forwarded until requested.



UNIVERSITÄT KARLSRUHE

An der Fakultät für Physik ist eine Professur (C4) für Experimentelle Kernphysik

wiederzubesetzen.

Gesucht werden Bewerberinnen und Bewerber mit dem Arbeitsgebiet Elementarteilchenphysik an Hochenergiebeschleunigern. Erfahrung im Aufbau und in der Koordination von Großexperimenten an Hochenergiebeschleunigern sowie die Fähigkeit zur Leitung eines grossen experimentellen Bereichs werden vorausgesetzt, ebenso Habilitation oder gleichwertige wissenschaftliche Leistungen sowie Lehrerfahrung. Zu den Lehraufgaben gehört die Beteiligung an der Physikausbildung, auch für Studierende anderer naturwissenschaftlicher und ingenieurwissenschaftlicher Fachrichtungen.

Die Fakultät für Physik mit ihren beiden Schwerpunkten Festkörperphysik sowie Kern- und Teilchenphysik bietet vielfältige Möglichkeiten zur Zusammenarbeit, insbesondere mit bestehenden Gruppen der theoretischen und experimentellen Elementarteilchenphysik und dem Kernforschungszentrum Karlsruhe.

Die Universität Karlsruhe ist bemüht, den Frauenanteil zu erhöhen und ermutigt daher besonders Frauen, sich zu bewerben.

Bewerbungen und Unterlagen über die bisherige Forschungs- und Lehrtätigkeit sowie Sonderdrucke der wichtigsten Publikationen werden bis zum 30.4.1994 erbeten an den Dekan der Fakultät für Physik, Universität Karlsruhe (TH), Postfach 69 80, 76 128 Karlsruhe.

Professorship in Experimental High Energy Physics The Ohio State University

The Department of Physics at The Ohio State University invites applications for a senior faculty position in Experimental High Energy Physics. Candidates should have significant accomplishments in this area. The chosen candidate is expected to initiate and lead a new research program, to supervise graduate students, to teach physics at all levels and to provide departmental leadership. The appointment will be at the rank of Full Professor.

The department currently has over 50 faculty members covering research areas in theoretical astrophysics and in experimental and theoretical atomic, molecular, condensed matter, nuclear and high energy physics. The experimental high energy group presently consists of six faculty members who are conducting experiments in electron-proton collisions with the ZEUS collaboration at DESY, Germany and in electron-positron annihilations with the CLEO collaboration at Cornell University. The department funds excellent electronics and machine shops which provide strong support for high energy research.

Interested applicants should send a resume, a description of scholarly achievements and interests and the names of at least five references to Professor Frank DeLucia, Chair, Department of Physics, The Ohio State University, 174 W. 18th Ave, Columbus, Ohio 43210. The Ohio State University is an equal opportunity employer. Qualified women, minorities, Vietnam-era Veterans, disabled veterans and individuals with disabilities are encouraged to apply.

PHYSIKALISCHES INSTITUT DER UNIVERSITÄT HEIDELBERG

The next generation of detectors for basic physics research will have a very high density of information and a high level of integration. As a consequence their readout and subsequent signal processing can only be accomplished using micro-electronic devices.

The **Physikalisches Institut** and the **Institut für Hochenergiephysik der Universität Heidelberg** together with the **Max Planck Institut für Kernphysik, Heidelberg**, intend therefore to start a common electronics group (starting with 3 to 4 developers), which will work on the design, simulation and testing of VLSI components.

For this project we are seeking a

Development Engineer / Physicist

with experience at least in the design of application-specific integrated circuits (ASICs). The circuits to be developed will encompass not only digital or analog techniques separately, but will also involve the integration of the two. Depending on the application, the development will range from "full custom" to "automatic custom" design. Experience with programmable gate arrays (FPGAs) is desirable. Knowledge of the English language is necessary.

At present, we expect to concentrate on the development and testing of IC's for new high energy physics experiments at the Deutsches Elektronen-Synchrotron (DESY) and at CERN, partially adapting and extending existing designs for experiment-specific requirements.

The candidate is expected to take responsibility for building up and leading the development group and to cooperate with physicists on the envisaged projects.

Salary will at first be based on the usual tariffs for German civil servants (BAT) within the framework of a three-year research project.

Applications should be addressed to the

Geschäftsführender Direktor des Physikalischen Instituts
Philosophenweg 12
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Informal enquiries to Professor P J Twin (Tel. No 051 794 3378, fax 051 794 3348)

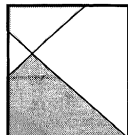
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Applications by c.v. with the names of three referees, should be received by the Director of Personnel (B), The University, P.O. Box 147, Liverpool L69 3BX, England, from whom further particulars may be obtained.

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Julien Bergoz
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01170 Crozet, France

University of Copenhagen Niels Bohr Institute for Astronomy, Physics and Geophysics

Associate Professorship in Experimental Particle Physics

A position as associate professor (lektor) in experimental particle physics at the Niels Bohr Institute for Astronomy, Physics and Geophysics (NBIAFG) will be open from August 1, 1994.

Experimental particle physics research at the NBIAFG is conducted at CERN in Geneva, Switzerland. The NBI-Group is involved in the ALEPH and DELPHI experiments at LEP and in the heavy ion experiment NA44 at SPS. In addition to physics analysis of all three experiments the group contributes to the hardware and software of the two LEP experiments. The group is also involved in the preparations of an experiment, ATLAS, at the proposed accelerator LHC at CERN.

While based in Copenhagen, the chosen candidate is expected to take on a significant role in experimental research in one of the LEP experiments and particularly in the future LHC experiment and must have documented experience in building up complex experiments. The chosen candidate is expected to participate in the University teaching program at all levels and in particular to contribute towards a new course in modern experimental particle physics at the graduate level. The language of undergraduate instruction is Danish, but English will be accepted for the first two years of the appointment.

The application must include a *curriculum vitae* and a complete list of publications with a special indication of which publications are considered most relevant for this position. Information about teaching experience must also be enclosed.

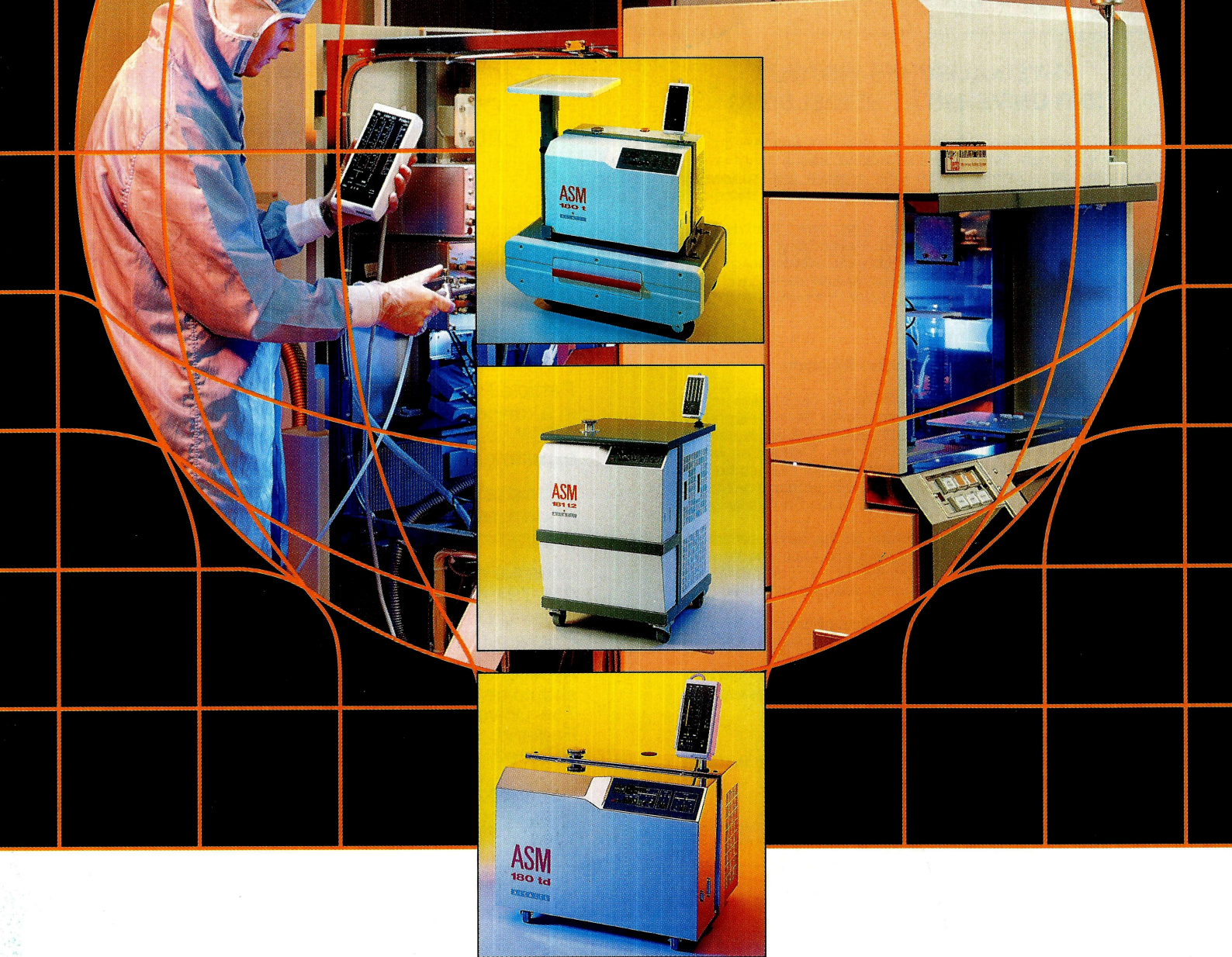
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