

Nouvelles brèves

En mars, cette cavité à neuf cellules fonctionnant à 1 GHz a réussi à stocker à elle seule un courant d'électrons de 2 mA dans l'anneau PETRA du Laboratoire DESY (Hambourg). Une puissance HF de 27 kW a pu être fournie au faisceau de 7 GeV.

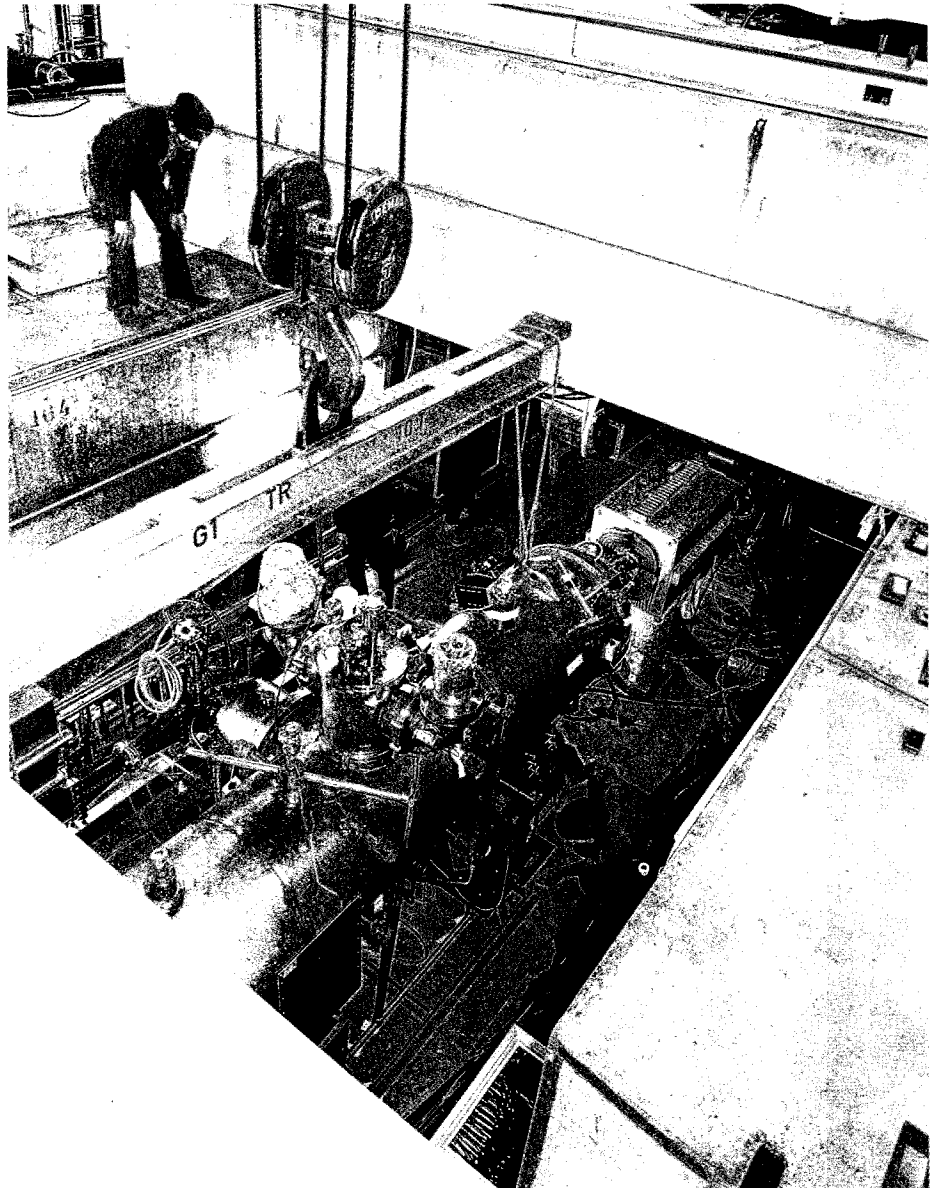
(Photo DESY)

Récompenses

L'Académie des sciences de Paris a attribué le prix du Haut-Commissariat à l'énergie atomique à Pierre Darriulat, du CERN, pour son rôle dans l'expérience UA2 avec le collisionneur proton-antiproton du CERN, expérience qui a contribué à la découverte des bosons W et Z, vecteurs de la force faible, et à la confirmation de la théorie électrofaible. L'Académie rend ainsi également hommage aux soixante-dix membres de la collaboration UA2, parmi lesquels ceux des groupes français d'Orsay et de Saclay, et elle honore globalement le CERN.

Lors de la cérémonie qui s'est déroulée à l'Université de Munich en mars, Yoichiro Nambu de l'Université de Chicago a reçu la prestigieuse médaille Max-Planck des mains de Joachim Treusch, président de la Société allemande de physique. Au cours de la même cérémonie, le prix annuel de Physique allemand a, cette année, récompensé des contributions à l'expérience UA1 au collisionneur proton-antiproton du CERN qui a découvert les vecteurs W et Z de la force faible. Le prix a été partagé entre Karsten Eggert et Ernst Rademacher (Aix-la-Chapelle), Traudl Hansl-Kozanec (maintenant à Stanford) et Hans Falk Hoffmann (CERN).

Parmi les récompenses distribuées par l'Institut britannique de physique pour 1985, il faut citer la médaille et le prix Glazebrook décernés à sir John Gunn (Glasgow), pour ses contributions à l'établissement de grandes installations au Royaume-Uni pour la recherche en physique, et la médaille et le prix Thomas Young décernés à John Lawson (Laboratoire Rutherford-Appleton) pour ses nombreuses contributions dans le domaine des faisceaux de particules chargées.

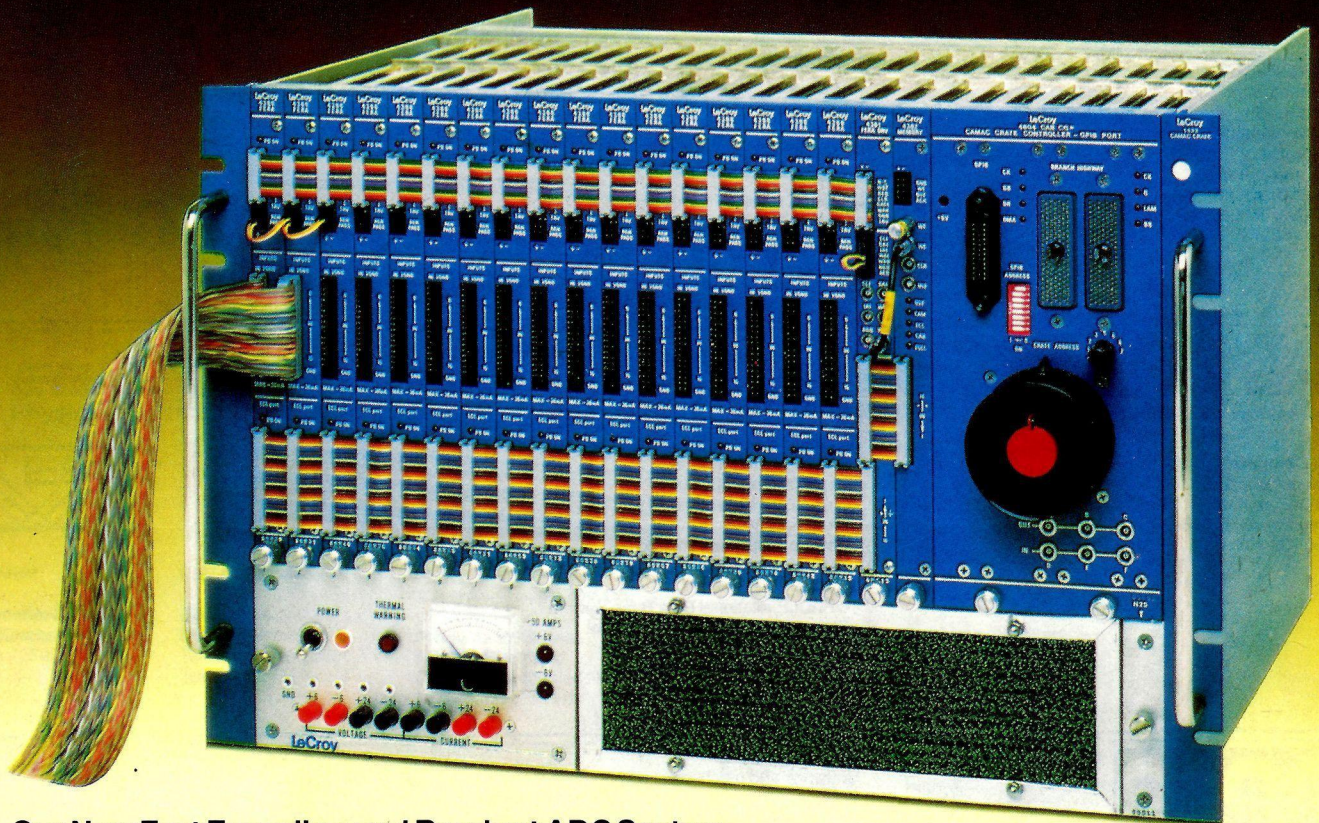


Séminaire sur le collisionneur SPS

Un séminaire est organisé actuellement en vue de discuter les possibilités offertes par le collisionneur proton-antiproton SPS du CERN pour le début des années 90 dans la perspective de l'exploitation simultanée du Tévatron au Laboratoire Fermi, du LEP au CERN et de HERA à DESY et d'évaluer la nécessité d'un nouveau détecteur

pour le collisionneur. Le Séminaire sur la physique des années 90 au collisionneur du SPS se tiendra à Zinal (Valais, Suisse) du 17 au 19 juin. Des groupes d'études sur des sujets de physique et sur la conception des détecteurs se sont formés et ont commencé leurs travaux. Pour plus d'informations, s'adresser à G. Matthiae au CERN, CH-1211 Genève 23 (Suisse).

Fast 16 Channel CAMAC ADC Faster Conversion Time Fastest Readout Speed



Our New Fast Encoding and Readout ADC System for High Rate Analog Data Acquisition Applications, Real Time Systems, Colliding Beam Diagnostics, and Energy Based Triggers in Particle Beam Experiments

Now, an ADC system with enough precision (8 to 11 bits) to achieve high signal to noise ratios and wide dynamic range, but fast enough for real-time decisions: An ADC System that can be used for test and proto-type work and then expand to a full scale data acquisition systems.

LeCroy introduces the System 4300 Fast Encoding and Readout ADC (FERA), our new high speed, low cost, high density, analog-to-digital conversion system. Flexible modular design permits growth from single 16-channel ADC modules in existing CAMAC systems, up to multi-crate buffered installations with programmable real-time data processing.

The Model 4300 16 Channel FERA combines fast parallel conversion with an optimized readout scheme to achieve an extremely high data throughput rate. For example, if the 272 channels shown above contain 20% valid data, they can be digitized into 11 bits, have the pedestals subtracted, and be read out into the memory every 16 microseconds.

The Model 4302 Memory holds 16K of 16-bit words and can be loaded at 100nsec/word. An optional FERA Driver, the Model 4301, distributes Gate, Clear and Test signals and includes a 12-bit DAC for calibration and testing. The crate may be controlled by a Series 4800 CAB, Programmable CAMAC Processor which can perform complex algebraic operations such as cluster finding on the data as well as further data compression.

For more information on FERA, contact your local sales representative.

LeCroy

Rue Cardinal-Journet 27, 1217 Meyrin 1-Geneva, Switzerland, 82 33 55. Offices: USA, (914) 425-2000; Heidelberg, W. Germany, (06221) 49162; Les Ulis, France, (6) 907.38.97; Botley, Oxford, England, (0865) 72 72 75. Representatives throughout the world.



Germany at CERN



On the initiative and under the auspices of the Federal Ministry for Research and Technology

AEG

AEG-Telefunken
Anlagentechnik AG
Fachbereich
Leistungselektronik und
Anlagenbau
Culemeyerstraße 1
D-1000 Berlin 48
 Tel.: (030) 7469-1
 Telex: 185 973

Branch in Switzerland:
Elektron AG
Riedhofstraße 11
CH-8804 Au ZH
 Telefon: (01) 78301 11
 Telex: 875755

Production line:

Planning and supply of plant and components for all branches of electronics.
 For nuclear research in particular:

- High and low voltage switchgear
- Power electronics
- Heavy current supplies
- a. c. and d. c. drives
- Static and dynamic reactive power compensation
- Elements for the evaluation of analogue and digital signals
- Mechanical assemblies
- Workshop services (electr./mech.)

Products exhibited:

Power electronics components for magnet supplies and reactive power compensation.

- Rectifier assemblies
- Converter system for reactive power compensation
- Mechanical assemblies INTERMAS



Computer GmbH

Ein Unternehmen des AEG-TELEFUNKEN Konzerns

ATM Computer GMBH
Bücklestraße 1-5
D-7750 Konstanz
 Telephone: (07531) 807-0
 Telex: 733430

Production line:

The Computer System House of AEG-TELEFUNKEN

Process Control Systems

- ATM 80 Real Time Computer
- ATM 80 Process Control Applications

Communication Systems Applications

- Office Communication
- Multi-Computer Systems
- Data Communications
- Front End Systems

Software Tools and Procedures

- AMDES
- UNIX®
- ORACLE relational Data Base System
- Project Management and Control
- Software Engineering
- File Administration
- Word Processing



apra-norm,
Elektromechanik GmbH Daun,
Holunderweg 5
D-5568 Daun
 Telephone: (06592) 3081
 Telex: apra d 4729314

Production line:

Housings and mechanical components for electronic systems from steel, aluminium and plastic.

- The whole 19" -tecnic "apra-norm"!
- 19"-racks,
- 19"-cabinets,
- bench cases,
- Mounting frames,
- 19"-Subracks and sub-drawers,
- Blower inserts,
- Lab-trolleys,
- Wall-Cabinets,
- Cases for switchboard-instruments,
- Auxilliary for subracks,
- Socketstrips.

Products exhibited:

19"-cabinet,
 19"-subracks and sub-drawers,
 Blower inserts,
 Lab-trolley,
 "apra-norm" "profi set" subracks and bench cases-system
 Socket strips and other auxilliary



M. BROCKSTEDT
Leiterplatten-Schnelldienst
Kieler Straße 120
D-2300 Kiel-Kronshagen
 Telephone: (0431) 5861-0
 Telex: 292542 lsbrk d

Production line:

Printed circuit boards, Multilayer up to 10 layer

Standard technique:

- Tin lead fusing
- solder resist
- pattern size: standard and fine

Cu-technique: (blackening)

- solder resist coating or photopolymeric mask

Edgeboard contact: (direct)

- Au-contact (nickel-lined)

Electrical testing:

- 2 Mania testing units

Products exhibited:

Several production samples



Germany at CERN



On the initiative and under the auspices of the Federal Ministry for Research and Technology

DORNIER

DORNIER SYSTEM GMBH
P.O. Box 1360
D-7990 Friedrichshafen 1
Telephone: (07545) 81
Telex: 734209-0 do d

Program of supplies and services

Development and manufacturing of complete systems

Material technology:

- Surface physics · Powder metallurgy
- Surface and thin film analytics · Coating technology
- Ceramics development

Nuclear technology:

- Reliability analyses · Process development
- Process safety engineering

Hydrogen technology:

- High-temperature · Electrolysis

Energy technology:

- Systems technology · Thermodynamics · Aerodynamics
- Thermal analysis Cryotechnology · 3D Navier
- Stokes equation solution which is precise with respect to time

Manufacture:

- Manufacture of complex mech./electron. systems
- Fibre composite components, E.B. welding

- Simulation and manipulation systems
- Structures for highly dynamic motions
- Complex strength calculation · Gas ultra-centrifuge

Further activities:

- Electronics · Environmental technology
- Information and communications technology
- Transport technology · Space technology

Products exhibited:

Niobium cavity · CFK technology
Electronic components · Coating technology,
surface analysis



EG&G GMBH
ORTEC
Hohenlindenerstraße 12
D-8000 München 80
Tel.: (089) 92692-0
Telex: 528257

ESN-Elektronik
Benzweg 4
D-6100 Darmstadt
Tel.: (06151) 86265
Telex: 4197177

Production line:

Nuclear Electronic
Surface Barrier Detectors
High-Purity Germanium Detectors
Proportional Counter
Measuring Devices for high
Temperature
SiLi-Detectors
High Count-rate and Low Level
Measurements
Multichannelanalyzer
Photocounting
X-Ray Analysis (RFA; WDS)

Products exhibited:

Nuclear Electronic
Computer Controlled NIM-Electronic
Multichannelanalyzer

Production line:

CAMAC Products
Standard NIM-Electronic
Fast Electronic
Photomultiplier
Interfaces for process controlled
Electronic
ADC-Multiplexer
Microprocessors

Products exhibited:

CAMAC Products
Photomultiplier Bases
Linear Amplifier
ADC-Multiplexer



F.u.G. Elektronik
GmbH
Florianstraße 2
D-8200 Rosenheim
Tel.: (08031) 83193
Telex: 525712

General representative (CH)
Elektronik-Ingenieurbüro
Fritz Weber, Dipl.-Ing. ETH
Grossplatzstr. 24
CH-8122 Pfaffhausen-Zürich
Telephone: (01) 8251844
Telex: 58524

Production line:

General purpose DC power supplies from 7 W to 35 kW,
more than 200 standard types
High-voltage DC power supplies up to 150 kV
High-current DC power supplies up to 10000 A
All power supplies are possible with IEEE-Bus-
Interface.
Special power supplies for:
- supra conductive magnets
- capacitor charging
- photo-multipliers
- micro-wave tubes
- ion sources
Power supplies to customer's specifications

Products exhibited:

High-voltage DC power supplies, various
models, up to 35 kV
Medium-voltage DC power supplies with IEEE-Bus
High-voltage cassettes up to 20 kV
General purpose DC power supplies up
to 2,8 kW

GOSSEN

GOSSEN GMBH
Mess- und Regeltechnik
Nägelsbachstraße 25
P.O. Box 1780
D-8520 Erlangen
Telephone: (09131) 827-1
Telex: 629845

Representative CH:
Ulrich Matter AG
CH-5610 Wohlen/Aargau
Telephone: (057) 227255
Telex 59463

Production line:

Measuring instruments for panel mounting
Automation equipment for control purposes
Power supplies for research and development, test,
maintenance and service
OEM power supplies
Measuring instruments for laboratories and testing
departments
Measuring and test equipment for workshops and
service engineering

Products exhibited:

Measuring instruments for panel mounting with analog,
quasi-analog or digital display:
- Panel mounted instruments for switchboards and
mimic diagram mounting or for apparatus construction
- Panel-mounted instruments with adjustable limit contacts
- New range of μ P-controlled quasi-analog bargraph
indicators and limit value monitors

Electronic controllers:

- Microprocessor-controlled 4-channel controller in
master or slave version
- Digital auto-adapting controller

OEM-Power supplies:
- in standard version or tailored, linear-controlled or
switch-mode version
Power supplies for research and development, test,
maintenance and service:
- bench-type models or for 19" rack-mounting
- IEEE-compatible power supplies
- Programmer (IEEE-Interface)
- New range of LSP-KONSTANTER with special safety
features



Germany at CERN



On the initiative and under the auspices of the Federal Ministry for Research and Technology

HEINZINGER

HEINZINGER
Control & Measuring Instruments
Happinger Straße 71
D-8200 Rosenheim
Telephone: (08031) 62044
Telex: 525777 hemes d

Production line:

Development and manufacture of stabilized
DC-power supplies from 3 Watt up to 500 kW for
standard and special
For nuclear research in particular-power supplies for:
- linear accelerators
- magnet coils
- Quadrupols
- supra conductors
- electronic lenses
- multipliers
- lasers
- capacitor charging
Laboratory power supplies low and high voltage
up to class 10—6
- HV-Digital-system voltmeter
- HV-isolating transformers

- HV-connectors and cables up to 300 kV
- UPS-300 VA—200 V sinus/30 min.

Products exhibited:

Bipolar power supply
HV power supply
laboratory power supplies
HV-cables and connectors
UPS-300 W

INTERATOM

INTERATOM GmbH
Friedrich-Ebert-Straße
5060 Bergisch-Gladbach 1
Telephone: (02204) 84-0
Telex: 8878457 iagld · 8878492 iagld
Telecopier: (02204) 84-3045

Engineering, Technologies

Material Technology
- Ceramics development
- Ceramic metal joints
- Composite materials
- high temperature metals
Coating technologies and surface analysis
Liquid metal technology
Cryogenics
Fluid and structure dynamics
Reliability analysis
Project management
system engineering

Manufacturing

Components for accelerator systems
- superconducting magnets
- copper cavities
- superconducting cavities
- UHV-components and systems
- UHV-piping systems
- Cryostats
- Wave guides
Special fabrication and joining techniques
- TIG, MIG, Plasma MIG, narrow gap welding
- high temperature brazing
- electron beam welding
- laser cutting and welding
- surface coating (ion plating, CVD, plasma spraying)



Knürr-Mechanik
für die Elektronik AG
Schatzbogen 29
D-8000 München 82
Tel.: (089) 42004-0
Telex: 529608-10 knr
Telefax: 089/42004-118

General representative:
Knürr AG
Mechanik für Elektronik
Bruggacher Straße 16
CH-8117 Fällanden/Zürich
Telephone: 01-8250707
Telex: 59706 knuag ch

Production line:

19" steel racks · 19" aluminium racks
19" small racks · 19" cardframes
19" chassis · 19" fanunits
19" heat exchangers · 19" accessories
19" floorstanding console · VME Bus
Multibus II · Dacobas industrial furniture
such as:
- 19" lab desks · 19" mobile units
- 19" racks · floorstanding consoles
- desks for office and lab furniture
- Dacobips-Monitor cases · antistatic material
- Tronictool tools for electronics
- Rackpower power supplies AC

Products exhibited

Dacobas industrial furnitures:
- 19" lab desks
- 19" mobile units
- 19" racks
- floorstanding consoles
- desks for office and lab
- Dacobips monitor cases
- antistatic material
- Tronictool tools for electronics
- Rackpower power supplies AC



LAMBDA PHYSIK GMBH
Hans-Böckler-Straße 12
D-3400 Göttingen
Telephone: (0551) 69380
Telex: 96633 lambda d
Telefax: (0551) 68691 (GIII)

General representative
(CH):
GMP SA
Case Postale 277
Ave. du Temple 19
CH-1010 Lausanne
Tel.: (021) 333328
Telex: 24423 gmp sa ch

Production line:

Excimer Lasers,
Dye Lasers,
Laser Dyes,
For:
- linear and nonlinear spectroscopy
- photochemistry
- isotope separation
- vacuum ultraviolet generation
- medical surgery
- photolithography
- material processing

Products exhibited:

Excimer Laser EMG 103 MSC
Dye Laser FL 2002 E
microcomputer controlled



Germany at CERN



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Matter HYDRAULIK

Matter HYDRAULIK AG
Büelstrasse 89
P.O. Box
CH-8474 Dinhard
Telephone: (052) 38 1500
Telex: 76510 mhag ch

Production line:

FAG Kugelfischer Georg Schäfer KGaA, Erlangen
FAG Hydraulic tools Lukas
FAG High-pressure industrial hydraulics
HYDRONORMA Medium-pressure industrial hydraulics
FAG Block-technology
FAG Automatic control equipment
FAG Test technology
FAG Hydraulic plants, system-building
FAG Rescue equipment Lukas
Hydraulic bolts pre-tensioning equipment
WEPUKO-Hydraulik GmbH & Co., Metzingen
High pressure-in-line plunger pumps
High pressure pumps for nuclear power stations with pulsation dampener
High pressure piston compressors
High pressure-radial piston pumps

Complete hydraulic equipment and electro hydraulic controls drives for liquid-liquid extraction with adjustable stroke frequency and functions like sine, triangle, saw tooth, trapezium, rectangle.

INTERNORMEN-Filter GmbH, Aittussheim

High pressure duplex filters
High- and medium pressure filters
Suction filters with housing and suction filters without housing
Reservoir-mounted return line filters
Reservoir-mounted duplex return line filters
Single filters for inline - Duplex filters
Single- and duplex filters for coarse filtration
Oil-water-coolerfilter for inline and reservoir mounting
Fill in- and vent filters - Oil bath vent filters
Clogging indicators

Products exhibited:

Pumps - Valves - Filters
Hydraulic bolts pre-tensioning equipment



Modutec
Am Osdorfer Born 30
D-2000 Hamburg 53
Telephone: (040) 8030 12-15
Telex: 2 163 678

Production line:

Mechanical devices and accessories for electronic systems
19" cabinets and racks
CAMAC and NIM-crates
FASTBUS-crates and card-frames for EUROCARDS
Modules and cassetts for all systems
Front-panel-cutouts and printing
Airconditioners and blower-systems
Custom-made special mechanical parts, cabinets and racks in steel, aluminium and VA also extrusions
Test-cards and motherboards
Power supplies for CAMAC, NIM and card-frames
Socketstrips

Products exhibited:

19" cabinets and racks
CAMAC and NIM-crates
FASTBUS-crates and card-frames for EUROCARDS
Modules and cassetts for all systems
Airconditioners and blower-systems
Power supplies for CAMAC, NIM and card-frames



RÖHR RHEINBLEI GMBH
Bruchfeld 52
4150 Krefeld 12 (Linn)
Tel.: (021 51) 59 02 33-37
Telex: 853 823
General representative (CH):
Jakob Scherrer Söhne AG
Allmendstr. 7
8059 Zürich 2
Tel.: (01) 202 7980
Telex: 58700

Production line:

Rolled and extruded products made of lead and lead alloys, especially lead sheet and plate from 0,2 to 200 mm thick, up to 3,20 m wide in coils up to 300 m long.
Special lead sections, lead wire and lead pipes up to a width or outside diameter of 300 mm.
Lead sheets bonded to supporting plates (composite material)
Nuclear engineering:
- Lead bricks according to DIN 25407 and euratom
- Lead containers
- Lead linings and other lead screens
- Precision lead components — stamped, pressed, deep drawn or die-cast
- Lead granules

Products exhibited:

Lead plates with extremely small thickness tolerances (f.e. 4 mm $\pm$ 0,03) for Hadron calorimeter barrel and end cap
Extruded lead shieldings
Special lead sections
Lead bricks
Lead containers
Lead safes
Lead shielding for pipework



SCHOTT

SCHOTT GLASWERKE
Optics Division
Hattenbergstrasse 10
D-6500 Mainz
Telephone: (061 31) 66-0
Telex: 4 187 9220 smd
Subsidiary Sales Company (CH):
SCHOTT SCHLEIFFER AG
CH-8714 Feldbach ZH
Telephone: 055/41 11 41
Telex: 8 756 28 lsag ch

Production line:

Optical glasses for imaging optics and special applications,
Optical glasses with special properties,
Glass-ceramics of infinitely low thermal expansion,
Glass filters and interference filters for optical control and measuring equipment,
Fiber-optics,
Radiation-shielding glasses and windows.

Products exhibited:

Glasses with Cerencov effect,
Stabilized glasses with Cerencov effect,
Scintillating glasses,
ZERODUR glass-ceramics,
Optical filters,
Fiber-optical components,
Cold-light source KL 1500.



Germany at CERN



On the initiative and under the auspices of the Federal Ministry for Research and Technology



Spindler & Hoyer GmbH & Co. General representative
Werk für
Feinmechanik und Optik
Königsallee 23
D-3400 Göttingen
Telephone: (0551) 6935-0
Telex: 96737

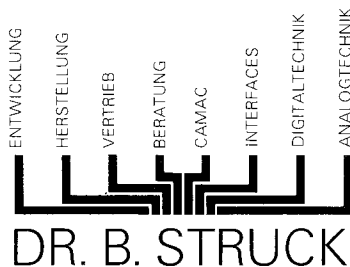
(CH):
Wild + Leitz AG
Postfach 145
CH-8032 Zürich
Telephone: 01-556262
Telex: 54517

Production line:

Optical benches/accessories
Collimators, expanders
Light and radiation detectors
Apertures, pinholes etc. · Beam splitters
Optoelectronic components
Laser components and optics
Optical test equipment
Filters · Spatial filters
Interferometers
Lasers
Lenses, all types · Laser eye protective glasses
Mirrors, Laser mirrors · Gratings, Reticules
Holographic systems and devices
Laser systems · Light sources, components
Optical tables · Coatings, all types
Prisms, all types

Products exhibited:

Motor control with measuring tables
Equipment for the production of holograms
Holograms
HeNe laser with frequency stabilization
Optical and mechanical construction systems
Optical elements
Optical elements for laser
Optical table with HeNe laser
Microbench, set of optical and mechanical components
Laser eye protective glasses



Dr. Bernd Struck
Hauptstraße 95
D-2000 Tangstedt
Telephone: (04109) 9966/67-68
Telex: 2180715 tegs

Production line:

CAMAC products
NIM products
FASTBUS products
Physical Trigger Systems
Track processors
VME products
Microprocessor developments Z 80, 8086 based (user specific)
Bloodgasanalyser, gradientoven, animal feeding processors
Oceanographic research - IEEE 488 products
relative navigationsystems
Militaric developments

Products exhibited:

FASTBUS products, Sequencer, SI, CIA
Crate, FIORI, BUS-Monitor, Display Unit, KLUGE Cards,
FULLPOWERED CRATE,
CFIFC, CFI-NFI, CFICC,
IEEE 488-products
NIM products
VME products, CFIVC



VACUUMSCHMELZE GMBH
Grüner Weg 37
D-6450 Hanau/Main
Telephone: (06181) 362-1

Production line:

Soft Magnetic Alloys
Inductive Components e.g. chokes, transformers
Soft Magnetic Moulded Sintered Parts
Permanent Magnet Alloys
Glass-to-Metal and Ceramic-to-Metal Sealing Alloys
Thermobimetals
Age-hardenable Spring Alloys
Constant Modulus Alloys
Mineral Insulated Electrical Conductors
Resistance Heating Alloys
Controlled Thermal Expansion Alloys
High Field Superconductors
Amorphous Metals
Vacuum Melted Special Steels
Electron Tube Materials

Products exhibited:

Semiproducs and parts of permanent magnet alloys
Amorphous metals
High field superconductors
Inductive components and magnetic shielings.

Wandel & Goltermann

Electronic Measurement Technology



Mühleweg 5
Postfach 45
D-7412 Eningen u. A.
Telephone: (07121) 891-1
Telex: 729833 wug d
Fax: (07121) 88404

Spitalackerstr. 51
Postfach 254
CH-3000 Bern 25
Schweiz
Telephone: 31-426644
Telex: 32-112 wago ch

Production line:

Audio and LF Measuring Technology
Voltage and Level Measuring Technology
Spectrum and Network Analysis
Distortion Measuring Technology
Data Circuit Measuring Technology
Data Network Diagnostics and Data Analysis
PCM Measuring Technology
Analysis and Stabilisation of Supply Networks
Measuring Systems

Products exhibited:

Data Analyzer DA-10
Diagnostics Responder DIR-1
Data Measuring Set DMS-1
Data Network Diagnostics Equipment DNE-2300
A.C. Power Line Harmonic Analyzer NOWA-1
Optical Level Power Meter OLP-1
Bit Error Measuring Set PF-4
PCM Jitter Generator PJG-4
Level Generator PS-15
Spectrum and Network Analyzer SNA-1
Selective Level Meter SPM-15

Wes-Crates Kristensen

Wes-Crates GmbH elektronische Systeme
Kristensen GmbH elektronische Steuerungen
und Geräte
Pattburger Bogen 33
D-2398 Harrislee
Telephone: (0461) 75202/72494
Teletex: (2627) 461309 = Kristen

Production line:
CAMAC - Crates, acc. to CERN-Spec.
- Power Supply, linear "
- Power Supply, switch "
- Dataways and Fan Units "

FAST-BUS - Crates acc. to CERN-Spec.
- Power Supply, switch "
- Backplane "
- Fan Units, Heat Exchanger "

Electronic modules and equipment on request
Control-Systems for digital and analog values
(Temperatur, Pressure, CO₂, Dew Point, etc.) on
customers request

Products exhibited:
CAMAC-Crate with Switch Power Supply, Dataway
and Fan.
FAST-BUS-Crate with Switch Power Supply, Backplane,
Fan and Heat Exchanger.
Mikroprocessor Control-System for Temperatur, Dew
Point, Pressure and Smoke.



Hans Wiener GmbH & Co.
Neuenhaus 106
5632 Wermelskirchen 1
Telephone: (02196) 2021
Telex: 8513388

General representative
(CH):
Elcotron SA
1, Rue de la Morâche
1260 Nyon
Telephone: (022) 615352
Telex: 421565

Production line:
NIM-crates and CAMAC-crates
CAMAC-crates, switching power supplies
Europa type, switching power supplies
VME type, Multibus II-type switching power
supplies
custom designed power supplies

Products exhibited:
NIM-crate CERN-type N 8053
CAMAC-crates CERN-type 099, CERN-type 337
switching power supplies (Europa type, Multibus II,
custom designed)

Organization of the exhibition: Kienbaum International Promotion GmbH · D-5270 Gummersbach and Partner Mr. W. Esser, Mrs. Dr. G. Heppner.

**Passages
électriques et
tubes isolants**

Étanches au vide poussé et
résistants à la pression, en
série ou sur fabrication
spéciale, répondant
exactement à vos besoins:
pour haute tension, haut-
volage, technique de
mesure dans l'industrie,
et la recherche.

Les passages électriques
peuvent également être
livrés en version non
magnétique.

Nous exposons à
ACHEMA '85
Halle 9, stand BC 5-7

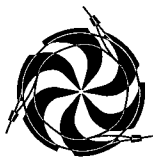
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Degussa (Schweiz) AG
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Curriculum vitae, list of publications and names of three referees should be forwarded as soon as possible to:

Dr. G. Jones
Department of Physics
University of British Columbia
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Please write for an application form quoting VN 303 to

**Recruitment Office, R20,
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Further information can be obtained from Prof. Dr. C. de Vries, tel. 020-5922142.

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Prof. Dr. G. van Middelkoop,
Scientific Director,
NIKHEF-K,
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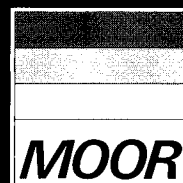
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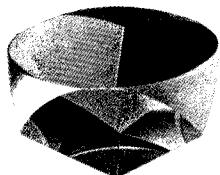


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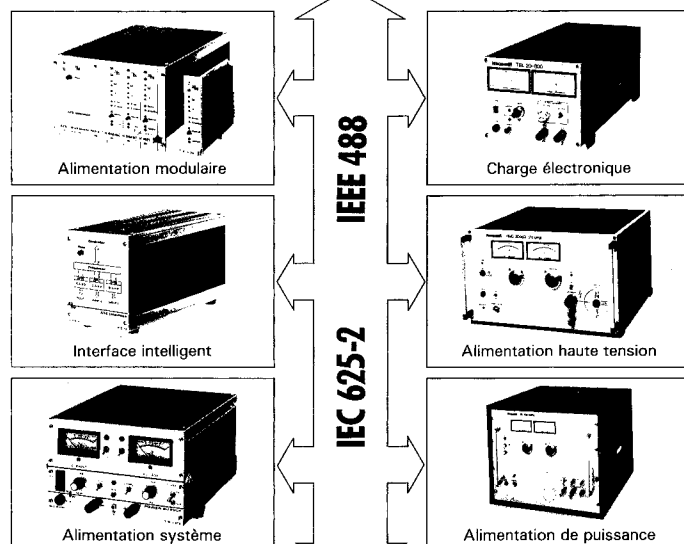
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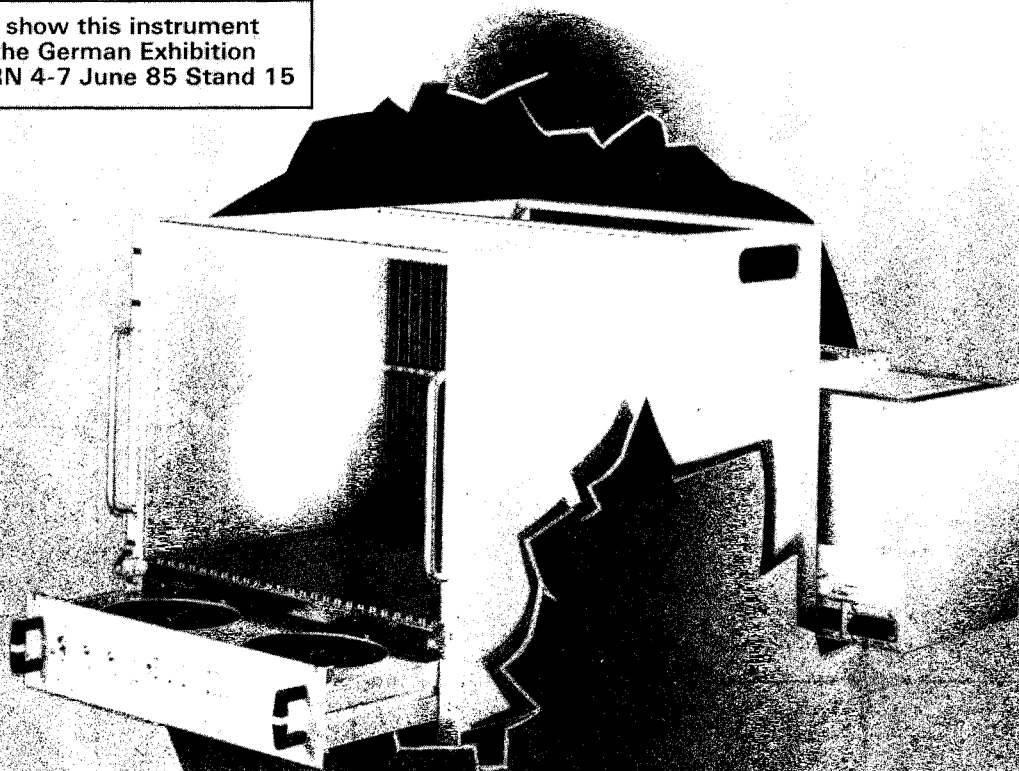
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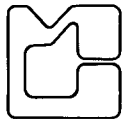
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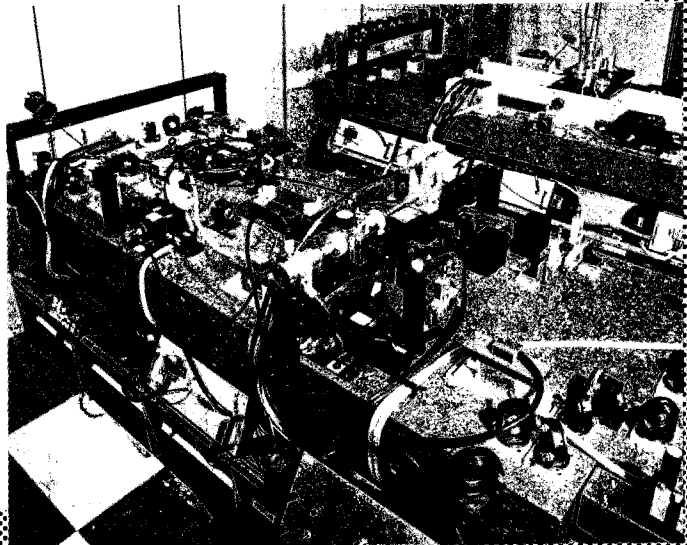
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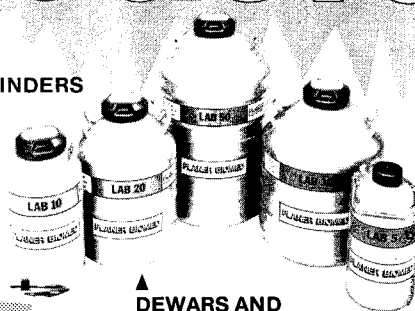
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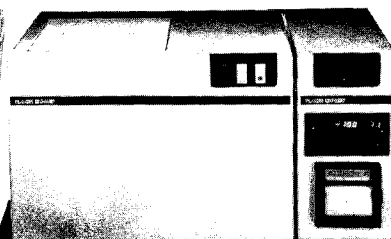


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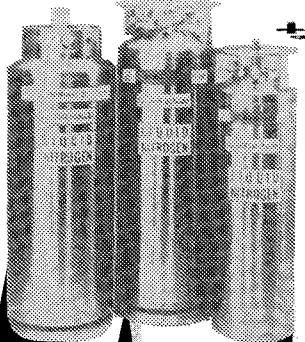
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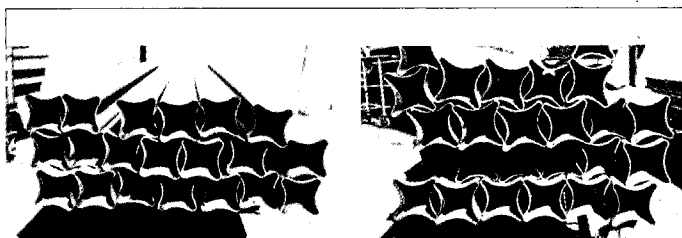
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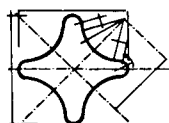
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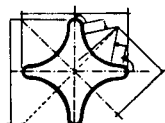
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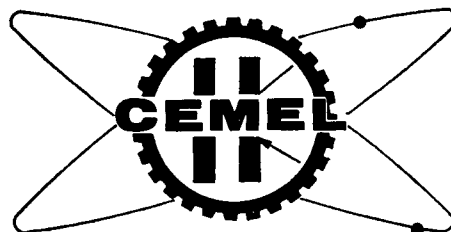
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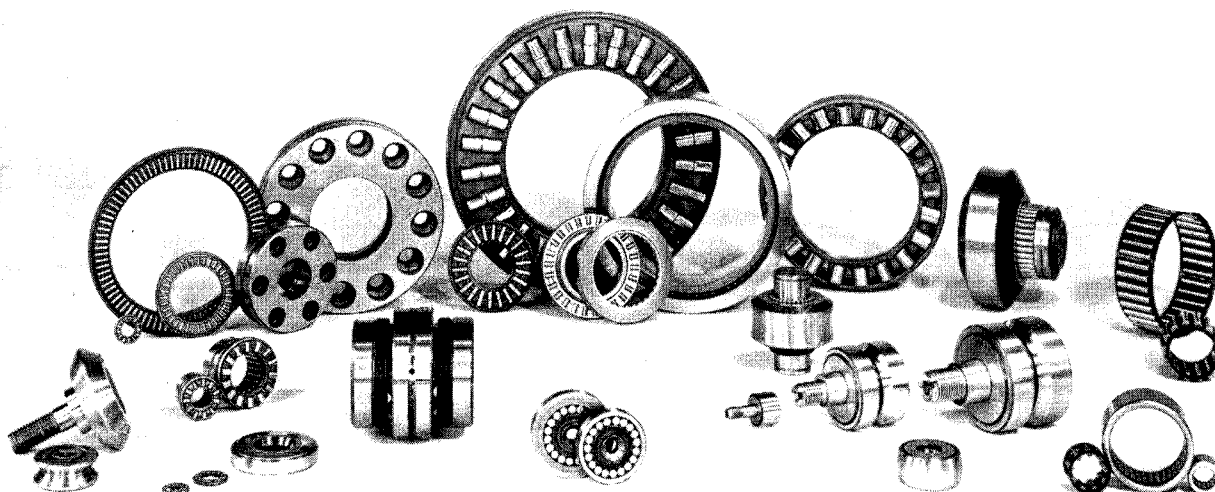
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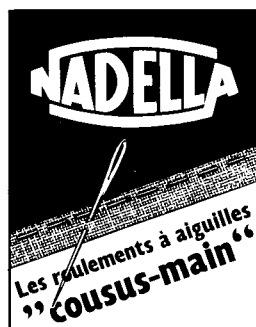
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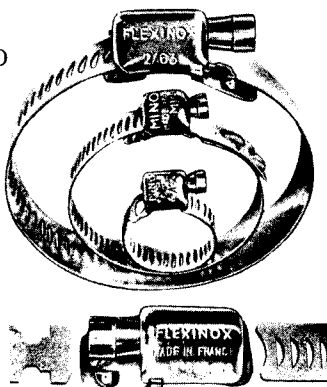
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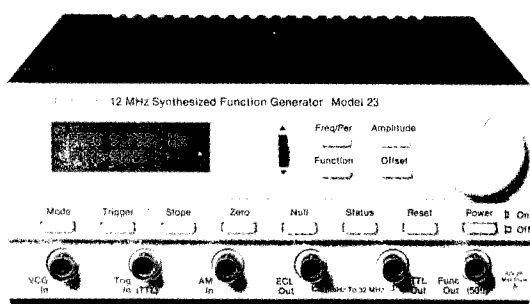
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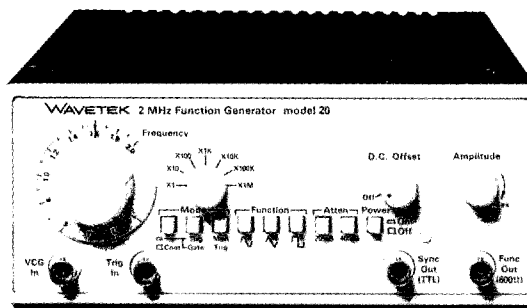


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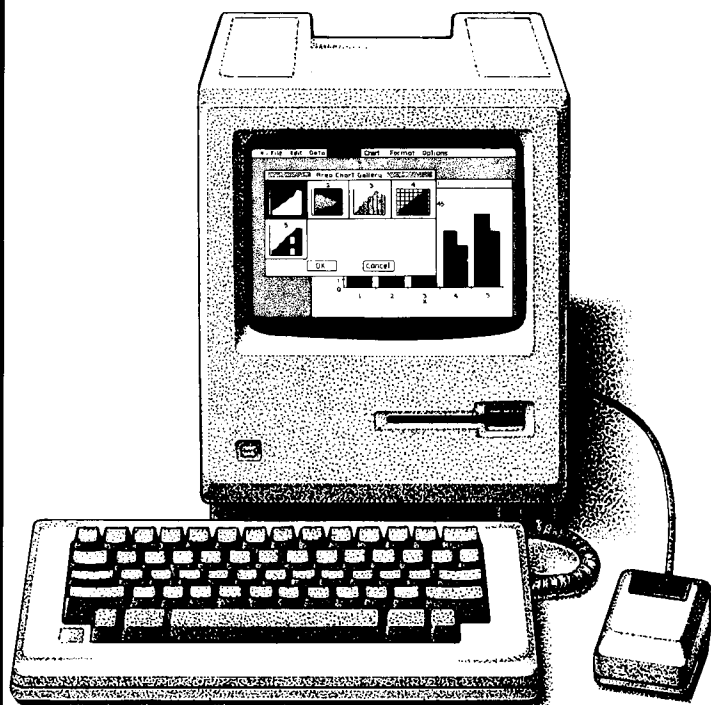
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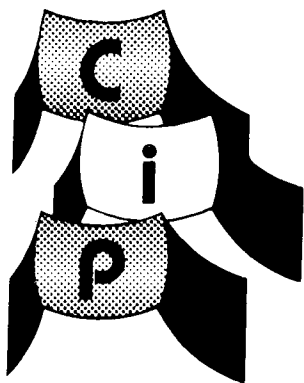
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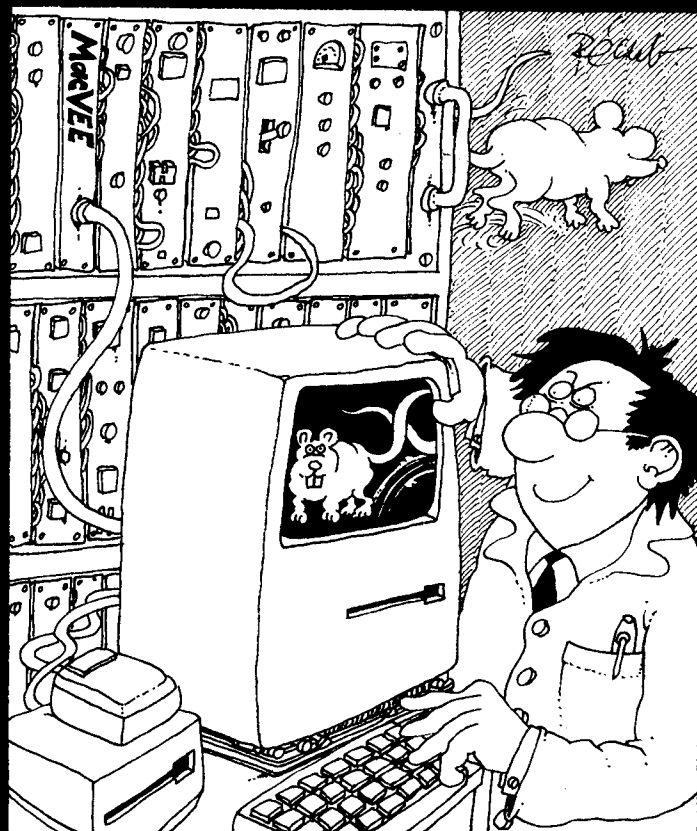
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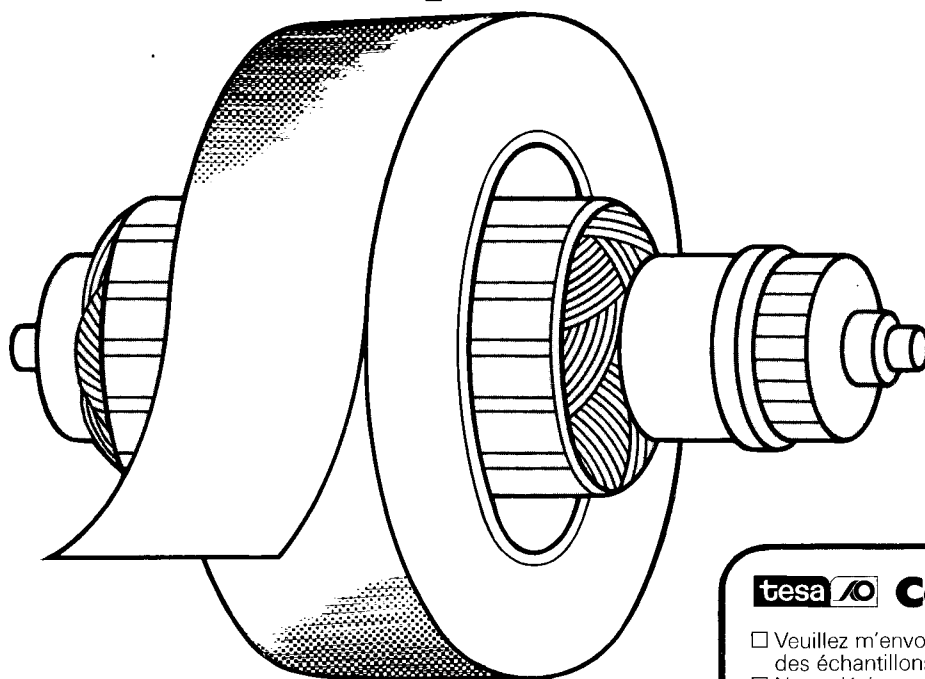
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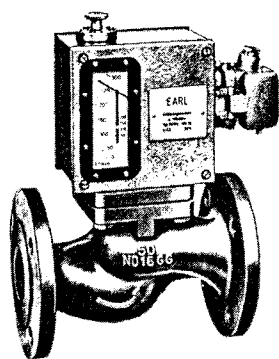
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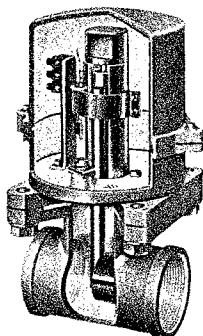
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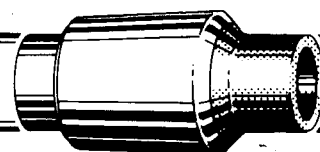


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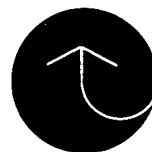
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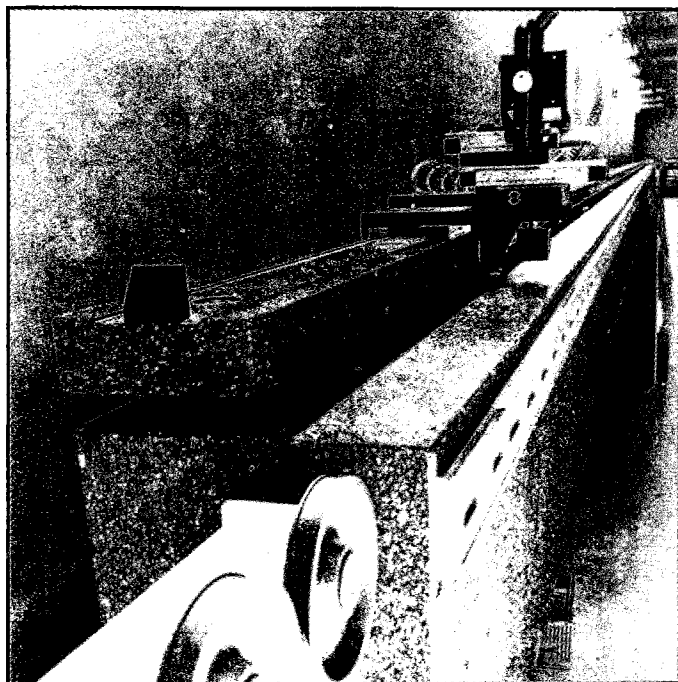
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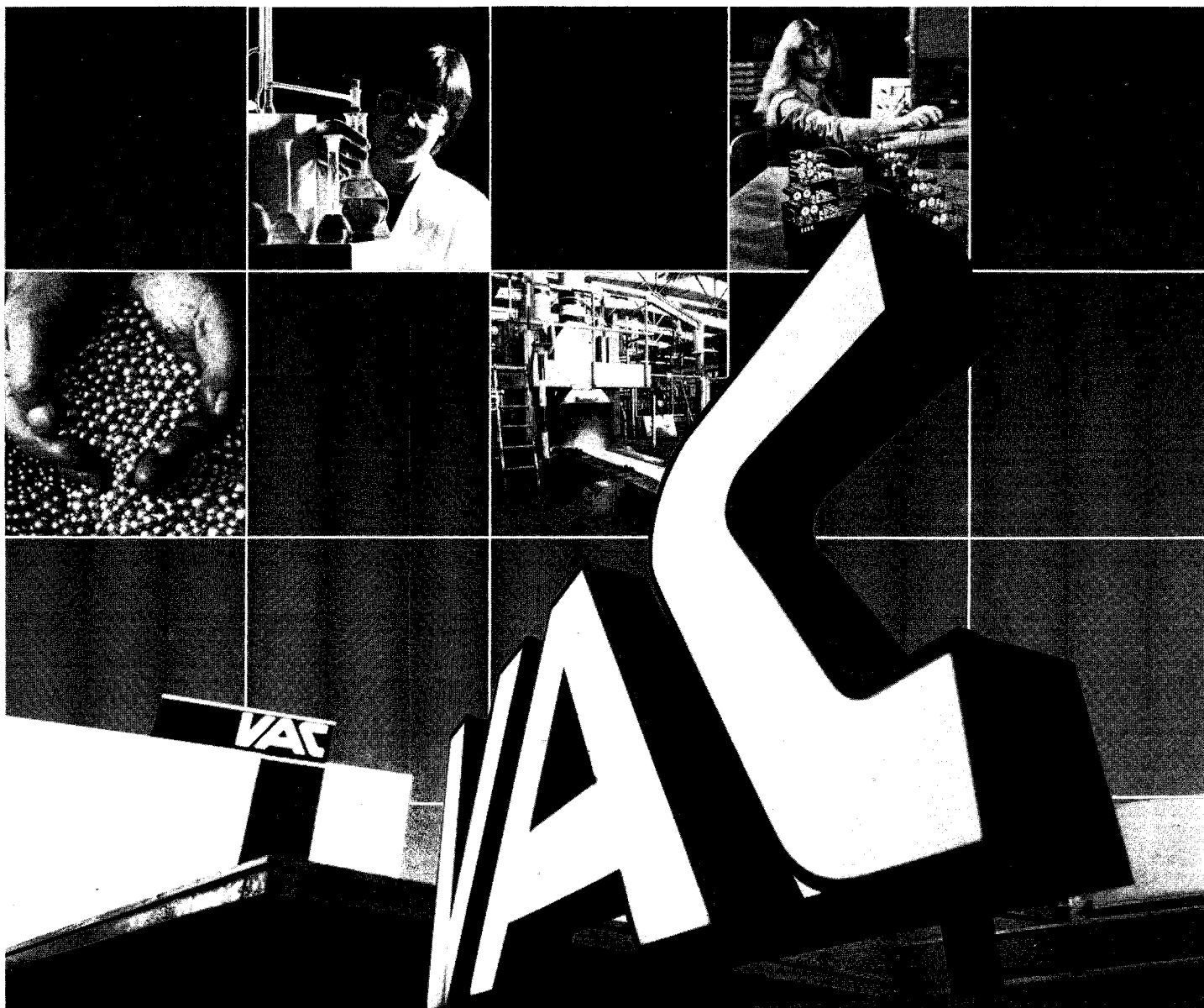
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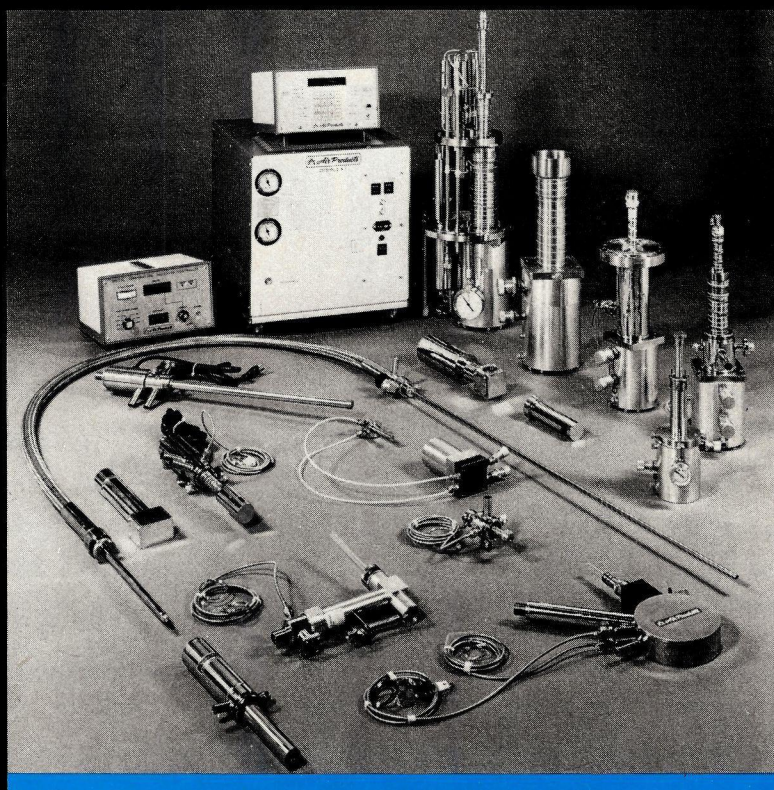
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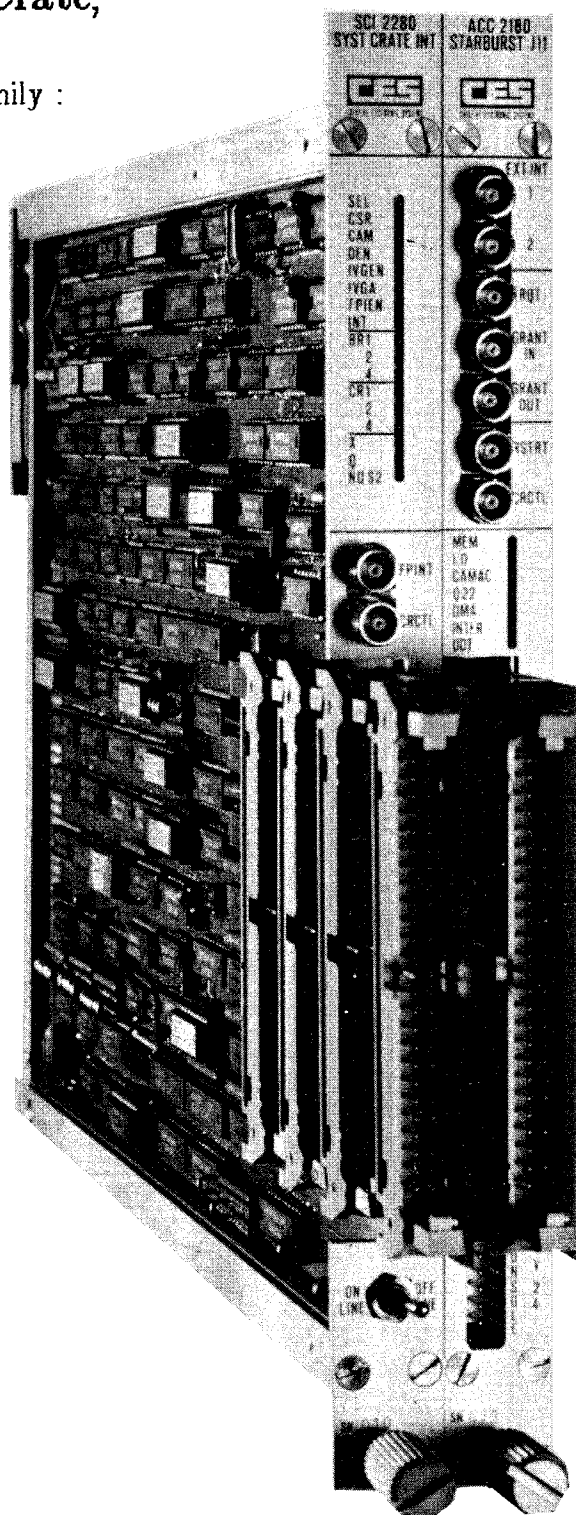
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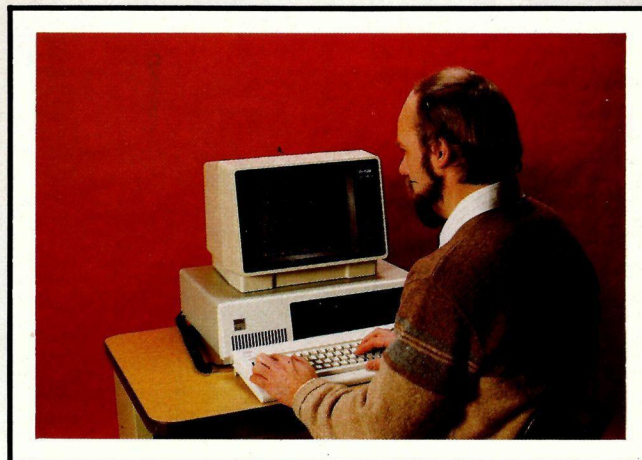
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