

COMMUNICATIONS OFFICIELLES

Les membres du personnel sont censés avoir pris
connaissance des communications officielles ci-après.

OFFICIAL NEWS

Members of the personnel shall be deemed to have
taken note of the news under this heading

NEW PHYSICS CO-ORDINATOR FOR THE SYNCHRO-CYCLOTRON

Dr H. RAVN (EP Division) will assume the
functions of Physics Co-ordinator for the Synchro-
Cyclotron for a period of one year, with effect
from 1 October 1978.

L. Van Hove
Research Director-General

SEMINARS SEMINAIRES

MONDAY 2 OCTOBER

BEBC USERS' GROUP MEETING - eleventh meeting

at 13.45 hrs - Council Room

Agenda :

1. Election of the BUG chairman
2. Progress reports: SPSC, SPS, BEBC, Beams,
EMI, GGM
3. Status of HYDRA-PATCHY-PAM FILE organization
etc.
4. Status of experiments WA24, WA30, WA31
(BEBC TST)

ISR SEMINAR

at 14.30 hrs - ISR Auditorium
top floor of building 30

"Questions and answers on LEP"

by E. Keil, W. Schnell, C.J. Zilverschoon
CERN

TUESDAY 3 OCTOBER

WORKSHOP ON PHOTON PHYSICS AT HIGH ENERGY

at 9.00 hrs - ISR Conference Room
Bldg 30 - 7th floor

To help the SPSC in deciding the future
direction of photon physics at the SPS, a whole
day workshop on photon physics at high energy is
being organized.

Agenda

- 9.00 Programme at FNAL (present and future)
by W.Y. Lee
- ~ 10.00 Vector Mesons at ≤ 3 GeV
- 14.00 Inclusive hadron production (small
and large p_T - including jets)
- ~ 15.00 Charm and beyond.

Anyone who would like to present a short commu-
nication on unpublished results or unconventional
ideas is welcome to do so and should contact
A. Scribano, EP Division, tel. 6411.

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium *

"Observation of the T' resonance at 10.02 GeV
in e^+e^- annihilations"

by B. Pietrzyk/University of Heidelberg and
CERN

*Abstract : The T' state has been observed as a
narrow resonance at $M(T') = 10.02 \pm 0.02$ GeV in
 e^+e^- annihilations, using a NaI and lead glass
detector in the DORIS storage ring at DESY. The
ratio $\Gamma_{ee}\Gamma_{had}/\Gamma_{tot}$ of electronic, hadronic, and
total widths has been measured to be 0.32 ± 0.13
keV. The parameters of the T particle have also
been determined to be $M(T) = 9.46 \pm 0.01$ and
 $\Gamma_{ee}\Gamma_{had}/\Gamma_{tot} = 1.04 \pm 0.28$ keV. The mass diffe-
rence is $M(T') - M(T) = 0.56 \pm 0.01$ GeV. These
resonances have been interpreted as bound states
of a new quark and its antiquark. What can we
learn about the charge of the new quark and about
the quark-antiquark potential? What message is
contained in the jet parameters? Are they in
agreement with QCD?...*

(*) Note : Those attending this seminar are
cordially invited to the Salle des Pas Perdus
(just outside the Council Chamber) at 16.00
to meet the speaker and for informal discussions.
Tea and coffee will be provided.

WEDNESDAY 4 OCTOBER

SPS EXPERIMENT COMMITTEE - fifty-seventh meeting

at 9.00 hrs - Auditorium

OPEN SESSION

Agenda :

1. Introductory remarks by L. Van Hove.
2. Addendum to the proposal for the European
Hybrid Spectrometer, Part B: Charged particle
identification (Aachen-Brussels-CERN-Mons-
Oxford-Rutherford-Stockholm collaboration;
W.W. Allison; SPSC/78-91/P42/Add.5).
3. Study of π^-p interactions with neutral final
states (IHEP-IISN-LAPP collaboration; F.G.
Binon; SPSC/78-95/P110 and 78-96/P110/Add.1).
4. Proposal to search for direct evidence for
charm production in hadronic interactions at
the SPS (CERN-Rutherford collaboration;
C. Fisher; SPSC/78-103/P113).

at 11.00 hrs - Conference Room - 6th floor
Administration Building

CLOSED SESSION

PRESENTATION TECHNIQUE

de 09h00 à 17h00
Parking PTT - Bât. 63 - D/3 plan CERN

MATERA AG (CH) expose les matériels suivants: connecteurs coaxiaux MINLEIT (D) et BELLING & LEE (UK), potentiomètres de précision OHMAG (CH) et THERMEL (F), potentiomètres industriels MATERA (F) et HOFFMANN (D), outil wire-wrap STANDARD PNEUMATIC (UK), boîtiers et socles pour CI et CED ARIES, interrupteurs miniatures CONTROLS (US), ligatures de câbles BURNDY (I), tiroirs châssis 19" HAEWA (D), distribution des circuits auxiliaires MEMN (F), porte fusibles, connecteurs BELLING & LEE (UK).

Langues : allemand, français

Renseignements : M. Diraison/FI/4585

THEORETICAL SEMINAR

at 14.00 hrs - TH Conference Room
"Compact variables and path integrals"
by G. West/Los Alamos

DD SEMINAR

à 16h00 - DD Amphithéâtre
bâtiment 31 - 3ème étage
"Comment utiliser un système informatique important lors du développement de logiciel pour microprocesseurs"
par J. Montuelle

Abstract : Dans l'environnement du CERN, il est logique d'essayer d'utiliser les facilités offertes par les systèmes informatiques déjà existants pour supporter le développement de logiciel pour microprocesseurs (ou même miniordinateurs). Comme le nombre de combinaisons possibles entre machines supports et machines supportées peut être grand, l'ensemble des services proposés doit être conçu sans faire référence à une machine particulière, toutes les fois que cela est possible. Les principes généraux d'une telle conception et leurs conséquences seront décrits lors de ce séminaire.

(The seminar will be given in French)

THURSDAY 5 OCTOBER

PRESENTATION TECHNIQUE

de 09h30 à 16h30 - Salle 17-1-007 - plan CERN F-6

COSENDAI COMPUTER PRODUCTS (CH) expose une gamme de matériel périphérique informatique : printer/plotter PRINTRONIX (NL), imprimante à aiguille Binder (D), imprimante à marguerite (NL), lecteurs/perforateurs Rodata (CH), consoles visuelles Perkin Elmer, terminal intelligent Ontel, floppy disk et unités de disk pack Calcomp (USA). (Certains seront couplés à un miniordinateur PDP 11). - Alimentations à découpage DC/DC et AC/DC Melcher (CH).

langues : allemand, anglais, français

renseignements : M. Diraison/FI/4585

ESO ASTROPHYSICS SEMINAR

at 14.00 hrs - DD Conference Room
Bldg 31 - 3rd floor

"Clusters of galaxies"

by R.J. Dickens/Royal Greenwich Observatory
Herstmonceux, U.K.

Abstract : Optical and x-rays aspects will be discussed.

CERN SEMINAIRE SUR L'ENERGIE

à 16h30 - Amphithéâtre *

"L'utilisation de l'énergie au CERN"

par O. Barbalat

Résumé : Une enquête sur l'utilisation de l'énergie au CERN a été effectuée au cours de ces derniers mois. Dans ce séminaire, on analysera la manière dont l'énergie est employée au CERN. On passera en revue les économies qui ont été faites dans le passé, ainsi que les actions de rationalisation et d'amélioration qui sont en cours ou pourraient être entreprises dans l'avenir.

(*) Note : Les personnes qui ont l'intention de suivre ce séminaire sont cordialement invitées à la Salle des Pas Perdus (face à la Salle du Conseil) à 16.00 heures pour rencontrer et discuter avec l'orateur. Thé et café seront servis.

FRIDAY 6 OCTOBER

CERN SPECIAL PARTICLE PHYSICS SEMINAR

at 15.00 hours (please note starting time)
Auditorium *

"Review of the Tokyo Conference - Part II"

by H. Fritzsch/Universities of Wuppertal & Berne : Present status of weak interaction theories

K. Tittel/University of Heidelberg :
Neutrino interactions

E. Gabathuler/CERN : Electromagnetic interactions (e^+e^- , γp , $l^+p...$)

(*) Note : Those attending this seminar are cordially invited to the Salle des Pas Perdus (just outside the Council Chamber) at 14.30 hrs to meet the speakers and for informal discussions. Tea and coffee will be provided.

MONDAY 9 OCTOBER

CERN NUCLEAR PHYSICS SEMINAR

at 11.00 hrs - Theory Conference Room

"Nuclear polarizabilities"

by R. Leonardi/CERN

EP SEMINAR

at 11.00 hrs - EF Conference Room
Bldg 13-2-005

"EGS - a versatile, 'user-oriented' Monte Carlo program for the simulation of electromagnetic cascades"

by Walter R. Nelson/CERN and SLAC

'B R I T A I N A T C E R N'

CERN-MEYRIN, October 9-13, 1978 - ADMINISTRATION BUILDING, 1st FLOOR

EXHIBITION OF BRITISH INSTRUMENTATION, COMPONENTS AND EQUIPMENT

OPENING HOURS : 10.00 a.m. - 5.30 p.m. (closing Friday at 12.00 a.m.)

Twenty-three British firms will be presenting their latest technology at the 'Britain at CERN' Exhibition. This exhibition is being organized by the British Electrical and Allied Manufacturers' Association (BEAMA) on behalf of the Group of Associations of Manufacturers of British Instrumentation, Control and Automation (GAMBICA)* under joint venture arrangements with the British Overseas Trade Board (BOTB).

We include here a summary of the products which will be on show or demonstrated by the companies' technical staff.

AEI SEMICONDUCTORS LIMITED - *Stand 16*
Carholme Road
Lincoln LN1 1SG
England

Contact : D.J.D. Westgarth
Telephone : 0522 29992 - Telex : 56163

AEI Semiconductors have been a regular exhibitor at previous British exhibitions at CERN, and this year will be featuring large diameter silicon thyristors with distributed amplified gates. Other exhibits will include fast recovery rectifier diodes, and water and air cooled solid assemblies.

BECKMAN INSTRUMENTS LIMITED - *Stand 8*
Queensway
Glenrothes, Fife KY7 5PU
Scotland

Contact : M. Peterschmitt
MEGEX (CH)
Telephone : 0592 753 881 - Telex : 72135

The exhibits include range of precision potentiometers; turns-counting dials; single and dual in-line resistor networks; planar gas discharge and liquid crystal displays; hybrid microcircuits manufactured by Beckman and marketed through the Glenrothes, Scotland, International Office, and by subsidiaries and dealers in all major European countries.

BELIX COMPANY LIMITED - *Stand 19*
175 Hook Road
Surbiton
Surrey
England

Contact : D.H. Norris
Telephone : 01-397 0921 - Telex 8951747

The Belix Company Limited, manufacturers of low-voltage stabilised power supplies, will be showing some of their products as detailed below.

New! CERN standard stores issue blocks to CERN specification 222. Switch mode and linear regulated. Seven output ratings ranging from 5 to 24 volts, 0.5 to 20 amperes. CERN standard NIM type plug-in supplies. A selection of 5 units from the complete range. Standard catalogue switch mode and linear power supplies. Showing 19 units from the range varying from 5 to 500 volts, 100 mA to 60 amperes. Belix also specialize in producing a wide range of single and multi output units to customer specifications.

BENNEY ELECTRONICS LIMITED - *Stand 6*
1A Telford Road
Ferndown Industrial Estate
Wimborne
Dorset BH21 7QN
England

Contact : K.F. Benney
Telephone : 0202 892130 - Telex : 47588

The company's activities include the supply of temporary skilled personnel, both in the UK and overseas. Also, they are manufacturers of NIM Bins and Modules (Nuclear Instrument Modules) and CAMAC Modules. Their new portable Mini-NIM-Bins will be exhibited, with various power supplies incorporated. Other new products will include timers (plug-in and process), counters and gas detectors. Temporary personnel are available outside the UK include engineers, technicians, wiremen/women, draughtsmen/women, illustrators, tracers, fitter-machinists, inspectors, computer,

secreterial and typing categories (bi- and multi-lingual). Addresses of local offices can be obtained from the exhibition stand.

BRENTFORD ELECTRIC LIMITED - *Stand 14*
Manor Royal
Crawley
West Sussex RH10 20F
England

Contact : G.H. Hildreth
Telephone : 0293 27755 - Telex : 87252

The 'BONIFACE'* exhibit is the development prototype of a fundamentally new type of self-contained precision dc laboratory standard for calibration of high accuracy dc transducers. Its salient characteristics are :

Measurement Range: + 5kA through zero to - 5kA
Linearity and Repeatability errors: Each 1×10^{-6} full scale

Setting Time: Several seconds

Temperature Range: Water to 25°C, ambient to 35°C

Display: Digital readout with constant multiplier
Supplies Needed: 220/240 V, ac single phase, 50Hz, town water (15 l/min).

The instrument is transportable and requires no Weston cells, precision potentiometer, galvanometers or other calibrated instructions. Production models will have digital print out and IEEE data bus facilities.

* BONIFACE = Brentford/Oxford Nmr Instrument For Accurate Current Evaluation.

COUTANT ELECTRONICS LIMITED - *Stand 20*
Trafford Road
Reading
Berkshire
England

Contact : M.C. Peel
Telephone : 0734 55391 - Telex : 847519

Specialists in power units, Coutant will be showing examples of their latest additions to an already well-established range of stabilized units. Single and multi-output modular supplies from the 'A' series and 'ESM' systems range will be available together with the latest 'H' series open frame construction linear units offering excellent value for money. Switch mode power units being shown include the 'SOL' range of direct off mains switching units and the 'SRP' switching regulators. For laboratory use Coutant have a range of continuously-variable, metered units providing well-regulated and reliable outputs.

DATA LABORATORIES LIMITED - *Stand 12*
28 Wates Way
Mitcham
Surrey CR4 4HR
England

Contact : R. Widenka
Telephone : 01-640 5321 - Telex : 947680

Datalab will be showing a comprehensive range of digital waveform storage and processing equipment including the DL922 20MHz recorder and the new DL2800 high-resolution multichannel recording system. The new unit may be configured to a maximum of 30 channels with readout to any oscilloscope, chart recorder or digital computer. The datalab DLmicro4 system for signal averaging applications and the generation of other statistical signal-processing functions will also be on show. This now incorporates a microprocessor-based module for off-line arithmetic operations, display manipulation and Fourier transforms.

EDWARDS HIGH VACUUM - *Stand 10*
Manor Royal
Crawley
West Sussex RH10 2LW
England

Contact : M. Jenkins
Telephone : 0923 28844 - Telex : 87123

Edwards High Vacuum will be exhibiting a wide selection of products from their range, including direct drive and belt-drive high-vacuum pumps, vacuum-measuring equipment, new vacuum valves, and vacuum oils. The unique Diffstak pumping system, which combines clean, fast pumping with compactness, convenience and economy, will also be shown. In addition, the LT104 mass spectrometer leak detector, and a 306 vacuum coater for electron microscope specimen preparation will be on display. Edwards products are available from stock from N. Zivy et Cie SA, of Obervil-Basel (Tel. 061 54 23 83), who also provide a full pre-sales and after-sales service in Switzerland.

EMI ELECTRON TUBES - *Stand 2*
A Division of EMI Industrial Electronics Ltd
243 Blyth Road
Hayes
Middlesex UB3 1HJ
England

Contact : L.M. Sargent
Telephone : 01-573 3888 - Telex 935261

EXACTA CIRCUITS LIMITED - *Stand 15*
Shawburn Factory
Selkirk
Scotland

Contact : J. Pinkney
Telephone : 0750 21601 - Telex 72501

GRENSON ELECTRONICS LIMITED - *Stand 11*
High March
Daventry
Northants
England
Contact : S.G. Taylor
Telephone : 032 72 5521 - Telex : 311245

HUGHES MICROELECTRONICS LIMITED - *Stand 8*
Fullerton Road
Queensway Industrial Estate
Glenrothes
Scotland

Contact : M. Peterschmitt
MEGEX (CH)
Telephone : 592 754 311 - Telex : 72148

IMHOF BEDCO STANDARD PRODUCTS LIMITED
Ashley Works
Ashley Road
Uxbridge
Middlesex UB8 2SQ
England

Contact : P.S. Buxton
Telephone : 89 37123 - Telex : 24177

The EMI photomultiplier-tube range includes fast-response types from 19mm to 130mm diameter versions with high first dynode gain, wide choice of spectral response and different basing configurations. These are primarily intended for use with fast scintillators or Cerenkov counters, where parameters such as high gain, single electron resolution, high quantum efficiency, or good linearity are important. A comprehensive range of general purpose tubes is also available as well as a capability for individual tube selection and development of custom designed tubes. Samples of the latest developments in EMI image intensifiers, silicon avalanche photodiodes and camera tubes will also be on display.

Exacta Circuits Limited specialise in the design and manufacture of high-quality printed circuits boards to the stringent standards demanded by the professional sectors of the electronics industry. With a work-force of 400 people and customers including leading manufacturers of computers and computer peripherals, of defence and aerospace equipment, of business systems and of industrial electronics equipment, Exacta is naturally the major manufacturer of its kind in the UK. Exacta will be exhibiting high-density through hole plated, multilayer and flexible-rigid printed circuit boards together with microwave-bonded packages.

Grenson Electronics Limited are manufacturers of stabilized power supplies and specialize in the production of NIM and CAMAC powered crates and power supplies. These are available in several different configurations with a variety of power outputs. The power supplies in the powered crates are all plug-in to facilitate replacement and removal for servicing. They are also agents for Wallis Electronics Limited who are specialists in the manufacture of High Voltage Power Supplies, both rack mounting and modular for incorporation in the user's equipment. Voltages up to 100kV and power outputs up to 100W are available using solid-state and RF technique designs for CRT, photomultiplier and insulating testing applications.

Hughes will be featuring CAMAC connectors, tantalum capacitors, MOS, with special emphasis on COMIC, and hybrids.

Imhof-Bedco are showing their new modular sub-rack system, Inta-Euro. This has been developed to cater for three alternative specifications within the one system, including Eurocard. The other specifications are both intended to allow more of the available height within the frame to be used. Frames are offered in 4 heights with a choice of 3 depths and the front aperture may be either 427mm or 432 mm. The system provides a wide range of optional plug-in modules with a variety of different connector mounting methods which cater for most popular makes and models including connectors to DIN 41612.

MICRO MEASUREMENTS LIMITED - *Stand 13*
a Member of the AI Group of Companies
London Road
Pampisford
Cambridge CB2 4EF
England

Contact : C.T. Dodkin
Telephone : 0223 834420 - Telex : 817536

MUIRHEAD VACTRIC COMPONENTS LIMITED - *Stand 8*
Garth Road
Morden
Surrey SM4 4LL
England

Contact : E.M. Binyon
Telephone : 01-337 6644 - Telex : 27796

NUCLEAR ENTERPRISES LIMITED - *Stand 3*
Sightill
Edinburgh EH11 4EY
Scotland

Contact : E.K.S. Grant (Miss)
Telephone : 031 443 4060 - Telex : 72333

OXFORD INSTRUMENTS - *Stand 17*
Osney Mead
Oxford OX2 ODX
England

Contact : D. Shaw
Telephone : 0865 41456 - Telex : 83413

OPTOMAX is a modular designed, television scanning image analysis system providing a high speed capacity for measurement. Input to the system is via either a microscope or macro-viewer and regions of interest in the image are selected according to grey level. Measurements available are typically area, length (in a defined direction) and positions of a selected feature in a field of view, a count of the total number of selected features in a field of view is also provided. Extensions to the system for the measurement of particle size distributions and a wide range of other parameters are available. The AI Group of Companies also embodies AI Industrial, specialists in all aspects of Leak Detection. A comprehensive range of portable instruments is available to answer the many and varied leak detection problems experienced throughout industry. Minute component flaws or leaks may be located easily, accurately and with no mess. Tailor-made automatic and semi-automatic leak detection systems are also available for overall quality control testing of components on production lines.

Exhibited will be a wide range of servo and control components which includes : synchros, resolvers, ac and dc servo motors, motor tachometers, dc torque motors and precision gearheads, optical shaft encoders, synchro to digital and digital to synchro converters, servo amplifiers, fully packaged servo systems. Also on show will be a new range of industrial type stepping motors including size 13 and the new size 11&15 optical shaft encoders.

The Nuclear Enterprises exhibit will include the following latest developments in its NIM and CAMAC modular ranges. NE 4694 is a simple inexpensive 1024-channel analyser, with built-in ADC, designed for monitoring signals in large dedicated nuclear electronic systems. It is ideally suited for teaching. NE 4800 multi-channel high voltage system is basically for use with scintillation detector arrays utilising large numbers of photomultipliers. High voltage to each photomultiplier may be set anywhere in the range 300V to 3000V. A data logging system demonstrating the versatility of CAMAC micro-processor developments includes two examples of the 9081/9089 combination. One occupying the control station and the other a normal station, are operating independently in one CAMAC crate but communicating with each other by means of the auxiliary control bus.

Oxford Instruments is one of the world's leading companies in the field of cryogenics, and specializes in applications using superconducting magnets. The company offers a standard range of cryostats, working down to liquid helium temperatures, for use with all spectroscopic techniques, examples of which will be exhibited. Major field of activity at the moment is in the production of highly homogenous magnets with fields to 10.8 Tesla for high resolution NMR, and closed cycle coolers for use with infra-red and gamma ray detectors. Oxford Instruments has a group of skilled engineers who are prepared to undertake individual projects.

*(Nuclear Magnetic Resonance)

PLESSEY CONTROLS LIMITED - *Stand 9*
Sopers Lane
Poole
Dorset BH17 7ER
England

Contact : W.D. Waterhouse
Telephone : 020 13 5161 - Telex : 41272

Plessey Controls Limited have developed in the United Kingdom read out circuits for multi-wire proportional chambers based on custom silicon circuits and custom surface acoustic wave devices. Prototype devices have been manufactured and evaluated. Designs have been revised to enhance performance and sample assemblies manufactured to introduce the potential user to the benefits gained by custom monolithic integration. Plessey integrated circuit technology in particular "Bi-polar Process III" is well suited to the task of producing a fast, accurate discriminator combined with strobed memory on a single chip. The surface acoustic wave technology provides precise high-stability delay with good pulse resolution in a small physical size and with low power consumption.

RACAL-DANA INSTRUMENTS LIMITED - *Stand 18*
Duke Street
Windsor
Berkshire SL4 1SB
England

Contact : C.J. Norris
Telephone : 07535 69811 - Telex : 847013

Racal-Dana is an international instrumentation group with production and marketing facilities in the USA, the UK and France, specializing in the design and manufacture of high technology test and measurement equipment. Of prime interest is the wide selection of digital voltmeters ranging from handheld, battery operated multimeters for service engineers to premium performance dvm's for standards laboratories or calibration centres. Also on view are test instruments for the radio communications industry including an RF Millivoltmeter together with a range of microwave counters for frequencies up to 20GHz.

SE LABS (EMI) LIMITED - *Stand 4*
North Feltham Trading Estate
Feltham
Middlesex
England

Contact : D. Ashby
Telephone : 01-890 1477 - Telex : 23995

SE Labs (EMI) Limited is exhibiting a selected group of instruments from its range of data recording, data products and instrumentation products. The SE 7000 portable instrumentation magnetic tape recorder offers a standard of performance hitherto obtained only with laboratory installations. The Irig compatible SE7000 range offers up to 42 track capability on 1 inch tape. Other exhibits include pressure transducers, signal conditioning equipment, the SE6150 6 inch UV recorder and the new SE6300 combination UV recorder covering both 8 inch and 12 inch applications. Computer peripheral equipment to be shown includes SE1004 electrostatic printer/plotter and the SE8000 digital tape transport.

SOLARTRON ELECTRONIC GROUP LIMITED - *Stand 5*
Victoria Road
Farnborough
Hants
England

Contact : J.D. Shaw
Telephone : 0252 42512 - Telex : 858245

Solartron will be exhibiting their microprocessor voltmeter with scale length of 14,000,000 digits as well as their microprocessor voltmeter which offers data processing facilities in addition to the normal measurement facilities such as dc volts, ac volts and resistance. This microprocessor voltmeter will be shown working with a visual display unit via an RS 232 link. Also on display will be the new multimeter type 7045 which brings microvolt integrity to the field of portable multimeters. Featured on the stand will be the very latest computer controlled data acquisition system which may be used with up to 4000-channels of input signal.

UNION CARBIDE UK LIMITED - *Stand 1*
Redworth Way
Aycliffe Industrial Estate
Co Durham
England

Contact : P. Berry
Telephone : 0325 312581 - Telex : 58401

WILLSHER & QUICK LIMITED - *Stand 8*
Walrow
Highbridge
Somerset TA9 4QA
England

Contact : M. Peterschmitt
MEGEX (CH)
Telephone : 0278 783371 - Telex : 46145

Union Carbide UK Limited, Cryogenics, will be exhibiting their range of cryogenic containers for the storage and handling of liquefied gases, together with a complete range of accessories.

Willsher & Quick manufacture a range of enclosures and equipment for the electronics and electrical industries. The standard range of products includes 19" racking systems, subracks and cases for PCB's and modules, rack cooling modules and instrument trolleys. On display will be an example of the Ultima SR range of 19" racks and accessories - all available ex stock in flat pack or assembled form. Twenty-four models are available in the standard range. Rack cooling modules are high performance single fan units providing effective cooling of electronic instrumentation mounted in rack. Completing the display will be instrument trolleys and a selection of steel enclosures for electrical applications.

* GAMBICA
Group of Associations of Manufacturers
of British Instrumentation, Control and
Automation
8 Leicester Street
London WC2H 7BN
England

Telephone : 01-437 0678 - Telex : 263536

GAMBICA represents the trade associations of British instrumentation, control and automation. Constituent associations are British Industrial Measuring and Control Apparatus Manufacturers' Association (BIMCAM), Control and Automation Manufacturers' Association (CAMA), and Scientific Instrument Manufacturers' Association of Great Britain Limited (SIMA) all of which are members of the BEAMA Federation.

GAMBICA combines the resources of the three associations on issues of common interest while each retains its full autonomy. The combined membership of the three constituent associations is some 240 firms with an annual turnover of £1000 million of which over 50 per cent is exported.

Inquiries : M. DIRAISON / FI / 4585

version française bulletin no 41