

1987  
YEAR BOOK  
VOLUME 51 No. 1

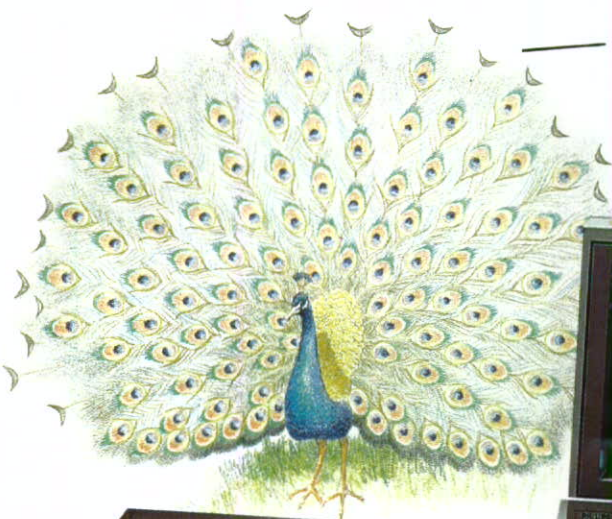


# chemistry

in new zealand

New  
low cost  
UV/Vis/IR  
Scanners  
from Philips

Fast Scanning  
Brilliant graphics  
Easy operation



Scientific and  
Analytical Equipment

PHILIPS

# Schleicher & Schuell

## S & S MEMBRANE FILTERS AND FILTER HOLDERS



**Behring Diagnostics Section.**  
Hoechst New Zealand Limited  
C.P.O. Box 67  
Auckland  
Phone 578-068. Telex 2338

# CHEMISTRY IN NEW ZEALAND YEARBOOK 1987

## CONTENTS

**Editor:** Bruce Graham, c/- Dept of Health, 2 Edenvale Rd, Mt Eden, Auckland.

### Branch Editors:

**Auckland:** Dr Roger Whiting, Auckland Technical Institute, Private Bag, Auckland.

**Waikato:** Dr Max Sutton, Ruakura Soil and Plant Research Station, Private Bag, Hamilton.

**Manawatu:** Dr Cecil Johnson, Applied Biochemistry Division, Private Bag, Palmerston North.

**Wellington:** Dr Lawrence Porter, Chemistry Division, DSIR, Private Bag, Petone.

**Canterbury:** Dr Doug Rankin, Wool Research Organisation, Private Bag, Christchurch.

**Otago:** Dr Jim McQuillan, Chemistry Department, University of Otago, P.O. Box 56, Dunedin.

Published on behalf of the New Zealand Institute of Chemistry (Inc), P.O. Box 29183, Christchurch. President: G B Petersen, Hon. Gen. Secretary Dr John Rogers, Registrar Denis Hogan.

**Cover Story — Philips innovation** ..... 3

### Company Listing

This main listing has addresses and phone numbers plus a brief description of each company. Companies are listed in alphabetical order. Each company is given a reference number by which it is referred to in subsequent listings. The letter code indicates the sections in which products or services offered by the company can be found ..... 5

### NZIC Membership Listing and Directory

This insert, typeset from the computer listing with the assistance of Dr Robert MacLagan, appears only in copies sent to members of the NZIC. The list is for the private use of members only. Others wishing to make use of it for any purpose should apply for permission to The Registrar, P.O. Box 29-183, Christchurch ..... insert

### Section A, Laboratory Instruments

Balances, pH meters, gas chromatographs etc. listed under brand names ..... 23

### Section B, Laboratory Equipment

Bench surfaces, spatulas, hot plates etc. listed by brand name ..... 25

### Section C, Consultants

Listed by location and giving areas of expertise and equipment available ..... 27

### Section D, Chemicals

Listed under several broad categories, and also an alphabetical list of chemical brand names .. 29

### Section E, Process Control Equipment

..... 33

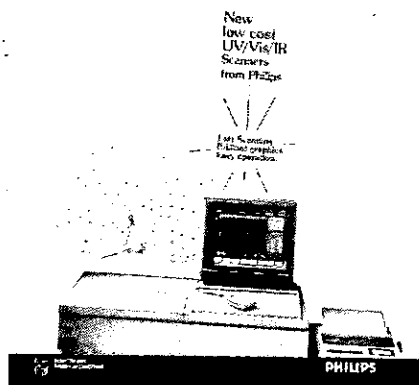
### Section F, Process Equipment

..... 34

### Overseas Principals

An alphabetical listing of overseas chemistry-related companies represented in New Zealand . 35

## FRONT COVER



Philips innovation again. A complete new series of IR and UV/VIS scanners have been launched. Radical new design and unique interfaces.

Published by: CATHEDRAL PRESS (PACIFIC) LTD, P.O. Box 9072, Newmarket. Phone 775-533. Advertising Manager, Carl Roze, Phone Auckland 547-244.

## HOW TO USE THE DIRECTORY:

If you know the product you are interested in e.g. a pH meter turn to the appropriate section (in this case Section A, Laboratory Equipment). Brand names of pH meters are listed and referenced back to the Company Listing see example below.

Reference number used in Sections A-F

Head Office

Companies products or services appear in these Sections

**(117)** **SCI-MED (NZ) LTD**  
24 Forth Street, Dunedin  
P.O. Box 321 Dunedin  
P.O. Box 68232 Auckland  
P.O. Box 6004 Palmerston North  
P.O. Box 508 Wellington  
P.O. Box 411 Christchurch

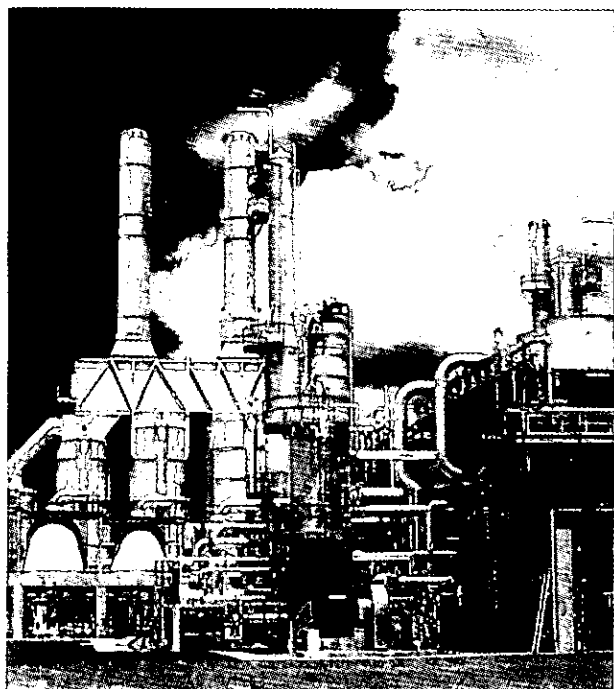
**(AB)**

Phone 775-531  
Phone 793-993  
Phone 78-959  
Phone 842-282  
Phone 65-463

*A wholly owned subsidiary company of the EBOS Group, supplying New Zealand and the South Pacific with scientific instrumentation, fully supported by our technical, marketing and service team.*

Branches

# Precious Metals and Chemicals



The complex chemistry of the precious metals-gold, silver and the platinum group — imposes rigid conditions upon any company that sets out to harness their unique physical and chemical properties.

The organisation must possess not only considerable financial and scientific resources but the practical experience of meeting the needs of a wide variety of industries.

Engelhard Industries Limited, which is part of the Engelhard Corporation, one of the world's largest suppliers of precious metals and non-metallic minerals, is one of the few companies equipped to work with materials of this nature.

**ENGELHARD**  
INDUSTRIES LTD.

74-76 UPPER QUEEN STREET,  
P.O. BOX 6322 WELLESLEY STREET,  
AUCKLAND.

TEL. NOS. AUCKLAND 732-949; CHRISTCHURCH 63-240.

### Philips Analytical Launches New Range of Low Cost UV/Visible Scanning Spectrophotometers

A new range of fast, high performance, ultraviolet/visible scanning spectrophotometers which offer outstanding speed and ease of operation has been announced by Philips Analytical.

The PU8700 Series consists of four main low to medium cost instruments based on a fixed 2 nm or variable 0.2 to 2 nm bandwidth with a high resolution colour or monochrome VDU.

The first UV/VIS scanners without a keyboard, they feature an innovative mouse-driven user interface and a 68000-based multi-tasking operating system.

The instruments are set up and controlled via a combination of horizontal softkeys and vertical 'pop up' menu and number pad windows. For every parameter selection the user is supported by audio and colour coded visual prompts and error warnings and, where appropriate, extensive on-screen help information is automatically presented.

For scanning applications the PU8700 will scan 190/900 nm, display the data with high resolution colour or monochrome screen graphics, and produce a peak table in seconds.

Colorimetric analysis can be achieved using either single or multi-standard calibration curves and the results, in user defined units, can be reviewed in histogram or graphical format overlaid with preselected analytical limits.

Alternatively, for rate or enzyme assays, results are presented in both graphical rate curve and tabular form.

For all applications extensive data manipulation routines are available as standard, and data can be smoothed, tracked, zoomed, expanded, and compared, rescaled and the mode changed in an instant.

In addition maths routines provide post-run and real-time addition, subtraction, division and multiplication of the data by either a factor, a standard or another sample.

The PU8700 Series has non-volatile RAM library storage which provides rapid storage and recall of all analytical data and methods, including accessory parameters and calibration curves.

A screen displayed, virtual QWERTY keyboard allows the user to assign titles and comments to the data, as well as enabling messages to be left in the memo centre for other personnel.

Using a fast, quiet, high resolution printer plotter, the

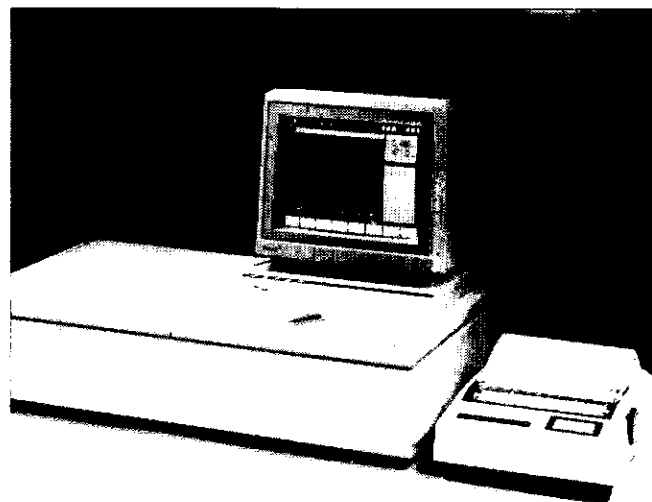
PU8700 Series prepares elegant 'report ready' hard copy in moments. Fully annotated graphics, tabular data, method listings and library contents can be presented in real time or post run.

The sparkling performance of the PU8700 Series emanates from the fast, high efficiency, silica coated optics with master holographic grating, while the R446 photomultiplier, with its unique temperature compensation, provides outstanding accuracy and reproducibility, low noise and superb stability.

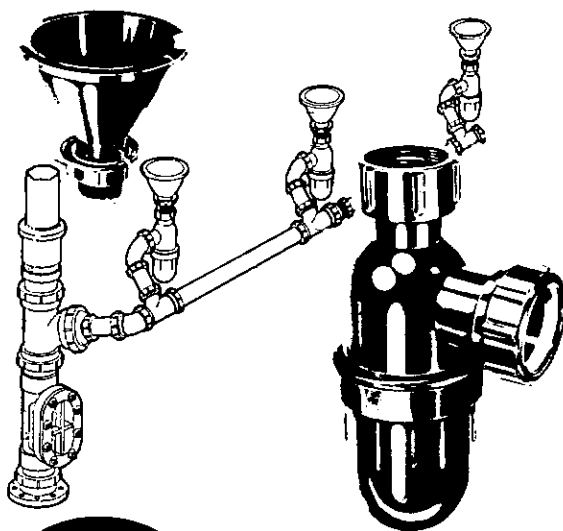
There is a range of accessories to suit every requirement and the extensive basic software can be increased as required. A wide range of software extensions is currently being developed; these include multi-lambda, multi-component, kinetics and program sequencing.

Philips innovation again. A complete new series of IR and UV/VIS scanners have been launched.

Radical new design and unique interfaces.



## CHOOSING LABORATORY EQUIPMENT?



- A COMPLETE RANGE OF PRODUCTS**
- ★ Vulcathene polypropylene chemical waste system
  - ★ Fume cabinets and extract systems
  - ★ Polypropylene bench tops and sinks
  - ★ Plastic tanks, vats, baths & liners
  - ★ Treated water service outlets
- Designed to suit **YOUR** needs

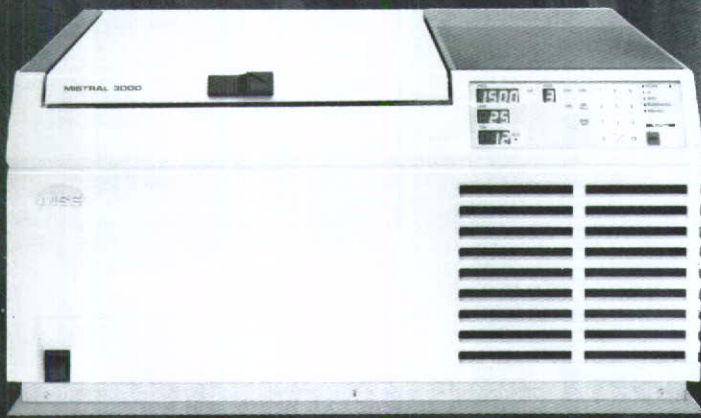


**INSAPIPE INDUSTRIES LTD**

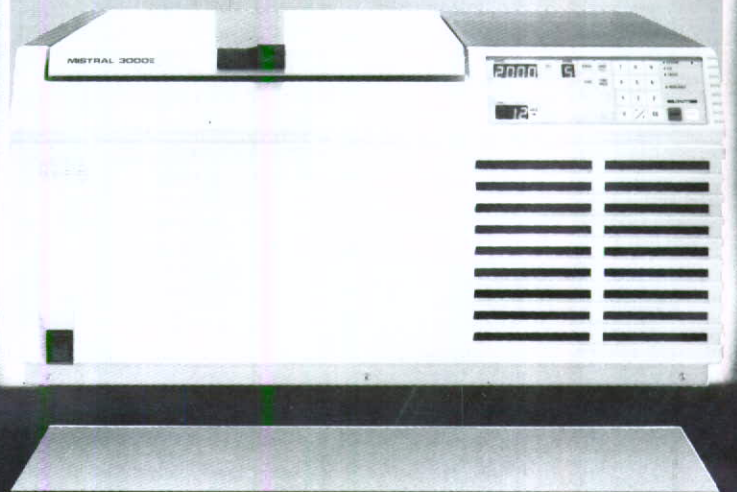
**P.O. BOX 58-056 EAST TAMAKI  
TELEX NZ 2610**

**PHONE AK 274-4819 CHCH 67-671**

# THEN THERE WERE TWO



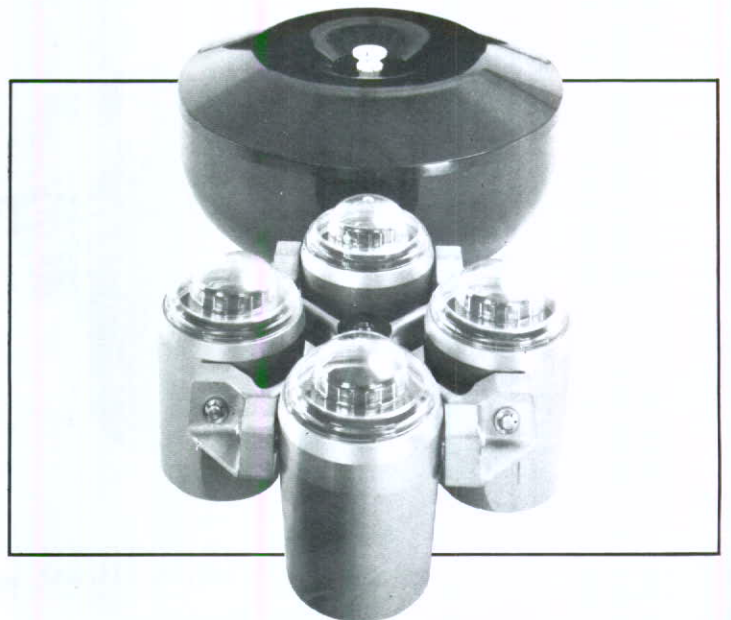
Mistral 3000 refrigerated bench-top centrifuge



Mistral 3000E non-refrigerated bench-top centrifuge

The Mistral series is the most reliable and easy to use general purpose bench top centrifuge available anywhere in the world. For spinning a maximum load of up to 3 litres in safe, sealed buckets at the highest "g" force/volume combination of any bench-top instrument, the choice is yours!

Now joining the highly successful Mistral 3000 refrigerated bench-top centrifuge is the new non-refrigerated Mistral 3000E.



**KEMPTHORNE  
MEDICAL SUPPLIES LTD**

Freepost 117, P.O. Box 1234, Auckland

More  
**Making Science Effective** **MSE**

# COMPANY LISTING

**1 ABELS LIMITED** **D**  
101 Carlton Gore Road, Newmarket  
Private Bag, Newmarket, Auckland.

Wellington Phone 687-924  
Christchurch Phone 480-691  
Dunedin Phone 30-789.

*Refiners and producers of edible oils and fats for NZ and export markets. Both animal and vegetable fats are processed for use in industrial and consumer markets.*

**2 ADVANCED ELECTRONICS LTD** **AE**  
6 Argus Place, Unit 1, Takapuna  
P.O. Box 36-280, Northcote. Phone 419-1448

*Suppliers and servicers of scientific instrumentation for chemical analysis.*

**3 AHI BENCHLINE INDUSTRIES** **B**  
20 Mt Wellington Highway, Panmure, Auckland  
P.O. Box 14-138, Panmure. Phone 574-079

42 Lane St, Upper Hutt  
P.O. Box 40-014, Upper Hutt Phone 288-105  
9 Mortimer Place, Sydenham, Christchurch  
P.O. Box 7435, Sydenham, Christchurch Phone 65-363

*Manufacturing Company producing laboratory work surfaces (EURO-TECH and EUROFORM 2), Sinks, Bathroomware. A unit of Alex Harvey Industries Limited.*

**4 ALLIED CORPORATION (N.Z.) LTD** **D**  
P.O. Box 39-189, Auckland West  
Phone 771-313

**5 ALLTECH ASSOCIATES INC** **ABCDE**  
P.O. Box 33-527, Takapuna, Ak 9  
Phone 444-3230 Fax 444-2399

*Suppliers of gas, liquid and thin layer chromatography equipment and instruments. Consumables for electron microscopy.*

**6 ALPHA BIOLOGICALS LTD** **C**  
6 Fencible Drive, Howick  
Phone 534-4424

*Microbiological quality control laboratory. Telrac registered for testing foods, cosmetics, waters, sewage and effluents.*

**7 ALPHATECH SYSTEMS LTD & CO.** **A**  
35 Scarborough Tce, Parnell, Auckland  
P.O. Box 37-583, Parnell. Phone 770-392  
Telex NZ21433 Fax 398-514

Dunedin Phone 761-474  
*Suppliers and distributors of scientific instruments, consumables, reagents, antistatic products.*

**8 AJAX CHEMICALS** **D**  
17 Olive Rd, Penrose, Auckland  
Phone 592-593 and 596-956

*Chemical importers and distributors.*

**9 ANALABS** **C**  
M/657 Great South Road, Penrose  
P.O. Box 17-198 Phone 597-265

*Newly established analytical facility in N.Z. Associated with a group of nine other laboratories in Australasia. Will be carrying out routine AAS, GLC, HPLC, fire assay and classical chemistry in N.Z. Access to XRF, XRD, SEM and ICP through associates in Australia.*

**10 APPLIED INSTRUMENTS LTD** **EF**  
P.O. Box 62-010, Sylvia Park, Auckland  
Phone 592-633

*Importers and distributors of industrial instrumentation.*

**11 ASL CAMBRIDGE** **C**  
(Analytical Services Ltd)  
85 Queen St, Cambridge  
Private Bag, Cambridge  
Phone (071) 274-409  
Fax (071) 274-495

**12 ALLAN ASPELL & ASSOCIATES LTD** **CD**  
Constellation Dr, Mairangi Bay.  
Phone 478-2962

*Public analysts and scientific consultants. Routine analysis and specialist investigations. Telarc registered laboratory.*

**13 AUCKLAND INDUSTRIAL DEVELOPMENT DIVISION (DSIR)** **C**  
9 Albert St, Auckland  
P.O. Box 2225, Auckland. Phone 34-116

*Assistance to local industries in the fields of welding, metallurgy, corrosion and plastics.*

**14 AUCKLAND INDUSTRIAL TECHNOLOGISTS LTD** **C**  
P.O. Box 63-036, Papatoetoe, Auckland  
Phone 278-0136

*A consulting company in the areas of industrial and analytical chemistry, food product formulating and analysis, electronic and electrical manufacturing.*

**15 AUCKLAND VALVE & FITTING CO. LTD** **ABCEF**  
26 Ryan Place, Manukau City, Auckland  
Phone 278-6164

Christchurch Valve & Fitting Co. Phone 483-146  
Rotorua Phone 479-158  
Wellington Phone 339-703

*Specialists in valves and fittings and the installation of laboratory gas systems.*

**16 AUSTIN CHALK CO. LTD** **D**  
1 Stone St, Kaiapoi  
Phone 6119

Works, View Hill, Oxford Phone 24-349

*Manufacturers of texture surface coatings, contract manufacturers, manufacturers of industrial minerals and fillers, agricultural and industrial lime products, building products, clays, bone flour, and anti-graffiti coatings.*

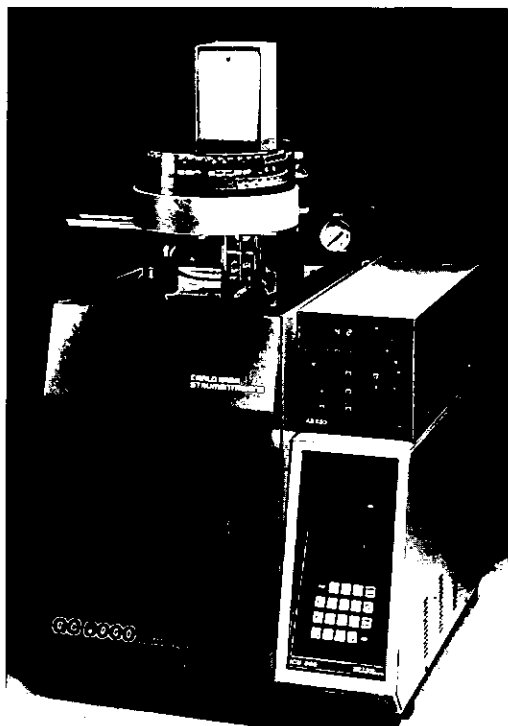
**17 AVERY NEW ZEALAND LTD** **AE**  
21-23 Pretoria Street, Lower Hutt  
P.O. Box 44-155 VIC, Lower Hutt. Phone 698-588

7C First Avenue, Whangarei Phone 84-872  
17-19 Teed St, Newmarket, Auckland Phone 502-072  
64 Commerce St, Hamilton Phone 75-459  
94 Second Avenue, Tauranga Phone 85-908  
View Rd, Rotorua Phone 81-215  
322 Aberdeen Rd, Gisborne Phone 74-479  
27 Carlyle St, Napier Phone 54-602  
194 Courtenay St, New Plymouth Phone 83-907  
57 Ingestre Street, Wanganui Phone 56-064  
91 Grey St, Palmerston North Phone 88-680  
80 Kingsley Street, Christchurch Phone 65-119  
35 McBride Street, Dunedin Phone 53-227  
42 Gloucester St, Nelson Phone 87-798  
1 Bank St, Timaru Phone 89-488  
39 Gala St, Invercargill Phone 84-737  
Shops 11 & 12, Raiwaga Shopping Centre,  
Suva, Fiji Phone 383-423

*Manufacturers, importers and suppliers of electronic and mechanical weighing and counting machines, including analytical and top-pan balances.*

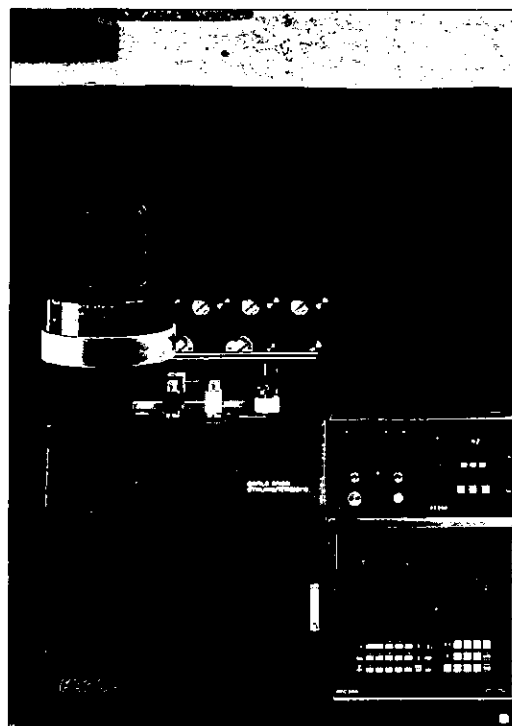
# CARLO ERBA

## LEADERS IN GAS CHROMATOGRAPHY



**VEGA**  
for Routine

- Inexpensive
- Rugged, Reliable
- Easy to use
- Compact
- Networking capability



**MEGA**  
for Research

- Uncompromised Chromatography
- Guaranteed Quantitative Results
- Designed for Methods Development
- Wide range of accessories
- Designed for modern techniques such as GC/MS, GC/FTIR, SFC

# ALPHATECH

**SYSTEMS LTD & CO.**

35 SCARBOROUGH TCE, PARNELL,  
P.O. BOX 37583, PARNELL, AUCKLAND.  
TELEPHONE (09) 770-392 ● FAX 398-514 ● TELEX NZ 21433

For further information please circle no. 34 on reader reply card.

**18 AWA NEW ZEALAND LIMITED**

P.O. Box 50-248 Porirua.

P.O. Box 1363 Auckland

P.O. Box 830 Wellington

P.O. Box 32-054 Christchurch

P.O. Box 5070 Dunedin

*Suppliers of scientific, medical and electronic engineering instruments components and systems.***19 BASF N.Z. LTD**

P.O. Box 407, Auckland

Phone 644-371

P.O. Box 13248, Christchurch

P.O. Box 44032, Lower Hutt

*Importers and manufacturers representatives.***20 BAYER N.Z. LTD**

Marine Parade, Petone

Phone 688-176

27-33 Lansford Cres, Auckland

105 Rutherford St, Christchurch

207 St Aubyns St West, Hastings

*Subsidiary of Bayer AG Leverkusen.***21 BDH CHEMICALS NZ LTD**

P.O. Box 1246, Palmerston North

Phone 82-038

*Importer of laboratory chemicals.***22 R.A. BELL INSTRUMENTS LTD**

P.O. Box 12-279, Wellington.

Phone 764-516

*Repair and maintenance work on scientific instruments. Construction of electronic instruments to order. Glass blowing service. Electronics development work, importers. Manufacturer of colorimeters.***23 BETA CHEMICALS (N.Z.) LTD**

9 Lorien Place, East Tamaki, Auckland

Phone 274-4574

Wellington  
Christchurch

Phone 734-781

Phone 66-882

*Manufacturers of adhesives, sealants, plastisols, screen printing inks, specialised paints, solvents.***24 BETZ AUSTRALASIA**

P.O. Box 4200, New Plymouth East

Phone 79-738

*Water treatment specialist and consultant in associated engineering services. Established 59 years in USA and 7 years in Australia and New Zealand.***25 BLAXALL SCIENCE COMPANY**

P.O. Box 25-095, Christchurch

Phone 62-828

*Importing/wholesale company dealing mainly with optical and filter equipment.***26 BROWN & DUREAU (N.Z.) LTD**

Trans House, Eden Crescent, Auckland 1

Phone 775-649

*Importers and suppliers of chemicals and raw materials.***27 ROBERT BRYCE & CO. LTD**

Barnes St, Seaview, Lower Hutt.

P.O. Box 30-145, Lower Hutt. Phone 683-559

72 Hayr Rd, Mt Roskill, Auckland 4

P.O. Box 27056, Mt Roskill

Cnr Phillips &amp; Leeds Sts, Christchurch

P.O. Box 1691, Christchurch

*Importer and distributor of all industrial chemicals and minerals.***A 28 G. BUCHAN WATER TREATMENT**

92 Ellice Rd, Glenfield, Auckland

P.O. Box 65-040, Mairangi Bay. Phone 444-8209

*Involved in all aspects of chemical metering and control for water treatment and other industrial applications. Also involved in sewage processing with extended aeration.***29 CARBORUNDUM N.Z. LTD**

230 Archers Rd, Takapuna, Auckland

P.O. Box 30-069, Takapuna North. Phone 444-3860

19 Ranfurly St, Christchurch

Phone 355-500

*Manufacturers of all coated abrasives, some bonded abrasives and some nylon abrasives.***30 CASTROL N.Z. LTD**

P.O. Box 11-047, Wellington

Phone 843-978

Port Rd, Seaview, Lower Hutt

Phone 683-049

Cnr Hamer &amp; Jellicoe Sts,

Freemans Bay, Auckland

Phone 796-460

504 Cranford St, Papanui, Christchurch

Phone 526-099

*Manufacturers and marketers of lubricants and allied products.***31 CATOLEUM PTY LTD**

P.O. Box 14-236, Panmure

Phone 274-5032

New Plymouth

Christchurch c/o ICI NZ Ltd

Phone 86-827

Phone 499-039

*Suppliers of speciality chemicals and application technology.***32 CAWTHRON INSTITUTE**

P.O. Box 175, Nelson

Phone 82-319

Telex CTG 3429

Blenheim

P.O. Box 38-213, Howick, Auckland

Phone 89-059

Phone 535-9024

*Independent scientific research institute offering consulting and testing services in chemistry, microbiology, biotechnology and environmental consulting, TELARC registered in chemistry and microbiology.***33 CHEMBY CHEMICALS LTD**

Poland Rd, Takapuna, Auckland 9

P.O. Box 30-066, Takapuna. Phone 444-4650

*Manufacturers of a range of surfactants, pigment dispersions, de-foamers and other process aids.***34 CHEMICAL CLEANING LTD**

Totara St, Mt Maunganui Sth

Phone 53-157

201-203 Fraser St, Timaru

Phone 83-435

*Suppliers of commodity chemicals, proprietary detergents, fungicides, bottle washing compounds, aluminium echants, bleaches and sequestrants.***35 CHEMICAL SERVICE LABORATORIES (1985) LTD**

3 Hardy St, Johnsonville, Wellington

P.O. Box 13-033, Johnsonville. Phone 787-037, 787-402

*Analytical and consulting chemists, bacteriologists.***36 CHEMICAL SPECIALITIES LTD**

51 Angle St, Te Papapa, Auckland

P.O. Box 29-109, Auckland. Phone 668-618

*Manufacturers of adhesives, sealers, polyester fillers, epoxy fillers and grouts and various other industrial chemicals. Contract packers.***37 CHEMICALS MANUFACTURING CO. LTD**

Private Bag, Lower Hutt

Phone 684-169

*Manufacturers of greases, brake fluids, antifreeze, car care products, waxes and polishes, detergent raw materials, manufacturers of corrosion inhibiting and removing compounds. Contract manufacturers and packers.*

**Our fume  
cupboards,  
fans and ducting  
are where you'd  
most expect  
them.**

Maskell are in all universities and the greater proportion of research and educational institutions. The Maskell unitised PVC or GRP fume cupboard is something of a revolution. Until recently, design development had been static. Materials used such as wood and aluminium are ill-equipped to deal with chemical and corrosive fume attack. On site construction installation was awkward and expensive, requiring tradesmen to work around each other. The Maskell developed fume cupboard is a single, homogeneous unit. The unit incorporates electrical fittings, water and gas taps, pipework and sinks. PVC fans and ducting can also be built-in.

Simple.



**DSIR**

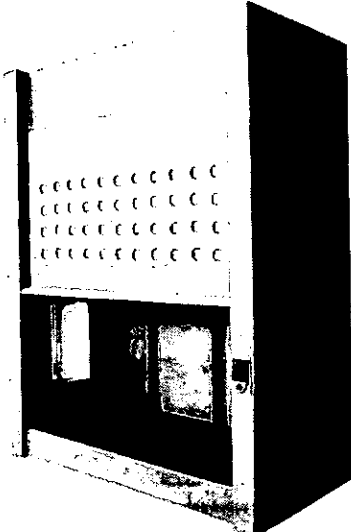
Maskell invite your enquiry for further data:

**MASKELL PRODUCTIONS LTD**  
Bowden Road, MT WELLINGTON  
P.O. Box 11-185, ELLERSLIE.

Please send your free brochure.

Name .....

Address .....



NOT ALL FUME CUPBOARDS ARE EQUAL



P.O. BOX 11-185, AUCKLAND 5, NEW ZEALAND  
FACTORY: 24 BOWDEN ROAD, MT. WELLINGTON  
PHONE: 574-398, 574-788. TELEX: 60322  
CABLES: MAKPRO.

**38 CHEMIPLAS AGENCIES LTD**  
60 Parnell Rd, Parnell, Auckland  
P.O. Box 37-408, Parnell. Phone 793-466

Terrace House, 4 Oxford Tce, Christchurch  
P.O. Box 1616, Christchurch  
AA House, 166 Willis St, Wellington  
P.O. Box 2137, Wellington

*A private company supplying raw materials to industry.*

**39 CHEMTEST LABORATORIES**  
P.O. Box 63-097, Papatoetoe  
Phone 274-5336

*Servicing of water treatment equipment especially ion exchange. Supplier of chemical injection pumps. Analytical services for water, plant tissues and soils.*

**40 CIBA-GEIGY (N.Z.) LTD**  
47-51 Patiki Rd, Avondale, Auckland  
Private Bag, Avondale. Phone 883-149

P.O. Box 38-648, Petone Phone 686-185  
P.O. Box 1562, Christchurch Phone 62-165

*Manufacturers of a wide range of chemicals and chemical products.*

**41 COMMERCIAL MINERALS LTD**  
58 Ellice Rd, Glenfield, Auckland  
P.O. Box 2679, Auckland. Phone 444-4521  
Telex Commin 21025

6 Gasson St, Christchurch  
P.O. Box 1802, Christchurch 2  
Telex WABCHCH 4673 Phone 69-395

*Importers of chemicals, industrial minerals, dyestuffs, pigments, textile auxiliaries, fatliquors and manufacturers of textile and leather auxiliaries.*

**42 CONTAMINATION CONTROL LTD**  
46 Lunn Ave, Mt Wellington, Auckland  
P.O. Box 14-621, Auckland Phone 579-135

*Importer, manufacturer and exporter UV radiation based products, water treatment plant, laminar flow equipment, bacteria cultures, ozone generators, chemicals, cleanroom garment laundry service.*

**43 DAVID E. COOPER CONSULTING ENVIRONMENTAL CHEMIST**  
P.O. Box 62, Mangawhai, Northland  
Phone 68-596 Mangawhai

*Consulting environmental chemistry on water, waste water and treatment. Air pollution and control backed up by laboratory work.*

**44 P.J. DAWSON LABORATORIES LTD**  
41 Pembroke St, Hamilton  
P.O. Box 178, Hamilton. Phone 80-251

*Specialist analysts of pesticides and mycotoxins, also amino acids, vitamins. General industrial consulting.*

**45 DIVERSEY N.Z. LTD**  
P.O. Box 23-172, Papatoetoe, Auckland  
Phone 278-2119

*Speciality chemical manufacturers.*

**46 DOW CORNING NEW ZEALAND**  
4/5 Portage Rd, New Lynn, Auckland  
P.O. Box 15-404, New Lynn, Auckland 7. Phone 873-912

*Silicone manufacturer.*

**47 DULUX**  
P.O. Box 31-048, Lower Hutt  
Phone 694-729

P.O. Box 1009, Auckland Phone 577-159  
P.O. Box 366, Lower Hutt Phone 684-259  
P.O. Box 732, Dunedin Phone 779-670  
P.O. Box 119, Christchurch Phone 797-650  
P.O. Box 9255, Hamilton Phone 394-922

*Division of ICI NZ Ltd, manufacturer of surface coating resins and unsaturated polyester resins. Supplier of spray equipment and fibreglass sundries.*

**ABDF**

**48 DU PONT (N.Z.) LTD**  
P.O. Box 76-256, Manukau City  
Phone 277-8080

*Importers.*

**49 EBBETT AUTOMATION LTD**  
P.O. Box 30-637, Lower Hutt  
Phone 686-377

*Instrumentation and control equipment, uninterruptable power supplies, inverters.*

**50 ELECTRIC MEASUREMENT & CONTROL LTD**

171 Target Rd, Auckland 10  
P.O. Box 31-145, Milford, Auckland 9. Phone 444-9229

*Importers and manufacturers of industrial instruments, controllers and electronic weighing equipment.*

**51 EMAIL INDUSTRIES**  
6 Monahan Rd, Mt Wellington, Auckland  
Phone 574-037

42 Cable St, Wellington Phone 859-578  
6 Lincoln Lane, Christchurch Phone 69-892

*Australian company with many Australian division represented in New Zealand.*

**52 ENGELHARD INDUSTRIES N.Z. LTD**  
74-76 Upper Queen St, Auckland  
P.O. Box 6322, Auckland. Phone 732-949

256 Oxford Terrace, Christchurch Phone 63-240  
*Refiner of precious metal bearing scrap. Processor of precious metal materials and scrap.*

**53 EQUUS INDUSTRIES LTD**

4 North St, Blenheim  
Plant: Sheffield St, Riverlands  
Industrial Estate, Blenheim Phone 88-126

*Private company manufacturing protective coatings for building and engineering industries. Able to design specific coating systems to provide optimal performance. Service orientated with its own laboratory facilities manned by staff experienced in the coatings and paint industry.*

**54 FARMAC ENTERPRISES LTD**  
6B-59 Victoria St, Onehunga, Auckland 6  
Phone 668-186

*Manufacturers of standard solutions, buffers, indicators, etc. for laboratories; test kits, reagents etc. for water and swimming pool analysis, T.P.A. spot tests, etc.*

**55 FARMERS FERTILISER LTD**  
Private Bag, Auckland  
Phone 793-001

Whangarei Fertiliser Works, Whangarei Phone 82-959  
Fertiliser & Chemical Complex, Otahuhu Phone 276-3808  
Morrinsville Fertiliser Works, Morrinsville Phone 7119  
New Plymouth Fertiliser Works, New Plymouth Phone 79-089

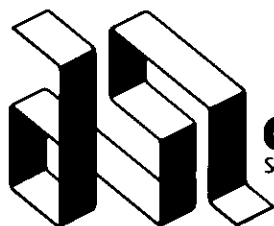
*Manufacturer and marketer of fertilisers, industrial chemicals, agricultural chemicals and animal remedies.*

**56 W. ARTHUR FISHER LTD**  
43 Fairfax Ave, Penrose, Auckland  
P.O. Box 12-747, Auckland. Phone 596-629

407 Great South Rd, Penrose, Auckland Phone 590-269  
P.O. Box 514, New Plymouth Phone 89-317  
P.O. Box 30951, Lower Hutt Phone 694-702  
P.O. Box 4158, Christchurch Phone 67-692  
P.O. Box 5694, Frankton Phone 79-034

*Process instrumentation engineers.*

**AEF**



**CAMBRIDGE**  
Soil, Plant & Water Analysis

★ *Specialising in agricultural and horticultural analyses for crop nutrition.*

★ *Offering a comprehensive testing programme with rapid sample turnaround.*

★ *For prompt analysis of:*

— *SOILS — PLANT TISSUE — POTTING MEDIA —*  
— *WATERS — FERTILISERS —*  
— *NUTRIENT SOLUTIONS —*

85 Queen Street, Cambridge. Phone (07) 274-409. Fax (071) 274-495.

**TELARC**

This laboratory is registered by the Testing Laboratory Registration Council of New Zealand



## LABORATORY FURNACES

### LAB 1 & 2 & 3

Hard sillimanite muffle  
Impervious to gas  
High abrasive resistance  
Digital controller

LAB 1 125W × 100H × 300L

LAB 2 178W × 127H × 355L

LAB 3 205W × 205H × 460L

### NEW LAB 150 & 200

Soft Fast Heating Muffle  
0-1000°C in 20 min.

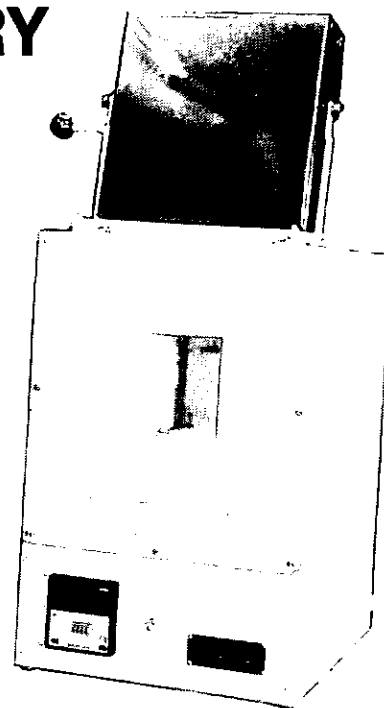
Ideal for Oxidizing  
Digital Controller

NEW LAB 150

150W × 150H × 300L

NEW LAB 200

200W × 200H × 300L



**W. D. MCGREGOR LIMITED** (Est. 1946)

MANUFACTURERS OF INDUSTRIAL HEATING EQUIPMENT  
ELECTRIC FURNACE, KILN AND OVEN MANUFACTURERS

**McGregor**

Telephone 694-119

118 Stoddard Rd, Mt Roskill, Auckland 4, New Zealand. Telex NZ 60192 'WDMG'

**57 FLINDERS COOK (TECHNICAL SERVICES) LTD** **C**  
2nd floor, 3 Fenton St, Eden Tce, Auckland 1  
P.O. Box 437, Auckland. Phone 33-465  
Telex 61181, Fax 394-291  
72-82 Taranaki St, Wellington Phone 858-422  
*Analytical and consultant laboratory, also involved in consulting to the oil industry and bulk liquid surveyors.*

**58 FORT RICHARD LABORATORIES LTD** **BCD**  
P.O. Box 22-172, Otahuhu  
Phone 276-5569  
*Microbiological supply and consultancy.*

**59 GAF (AUSTRALASIA) PTY LTD** **DF**  
2 Monmouth St,  
P.O. Box 78-073, Grey Lynn, Auckland.  
Phone (09) 761-271, Telex 60332 'GAFCHEM'  
Fax (09) 766-044  
South Island filter distributors  
Don Hall Machinery Ltd, Dunedin Phone 30-689  
Don Hall Machinery Ltd, Christchurch Phone 797-129  
*Distributors of Liquid Filtration Equipment and specialized Solvents, Surfactants and Chemicals.*

**60 GEOCHEMISTRY RESEARCH LTD** **C**  
27 Voltaire St. Karori Wellington.  
Phone (04) 764-078  
*Chemical and Geochemical consulting with special expertise in minerals and industrial chemistry, mineral exploration, mineral characterisation, analysis, reactions, industrial utilisation and processing. Petroleum exploration geochemistry.*

**61 GIBCO N.Z. LTD** **ABF**  
18-24 Botha Rd, Penrose, Auckland 6  
P.O. Box 12-502, Penrose. Phone 593-024  
P.O. Box 3390, Wellington Central  
P.O. Box 6081, Upper Riccarton, Christchurch  
*Biologicals processor and supplier. Retail supplier of laboratory equipment and consumables.*

**62 E.C. GOUGH LTD** **A**  
P.O. Box 22-073, Christchurch  
Phone 798-740 Fax 796-776  
P.O. Box 68-150, Auckland Phone 763-174  
P.O. Box 38-421, Petone Phone 686-675  
P.O. Box 1193, Dunedin Phone 775-823

**63 W. GRAYSON & ASSOCIATES LTD** **C**  
100 O'Rorke Rd, Penrose, Auckland  
P.O. Box 12-545, Penrose, Auckland  
Phone 590-329, 665-520  
*Analysts, consultants, development chemists, industrial chemistry, microbiologists, plastics consultants, forensic scientists and arson investigators. Development of new products for manufacturers and distributors who do not have laboratory facilities.*

**64 HARDIE TRADING LTD** **D**  
P.O. Box 1367, Auckland  
Phone 592-024  
11 Downer St, Lower Hutt Phone 693-254  
272 Tuam St, Christchurch Phone 61-209  
*Importer and distributor.*

**65 A.C. HATRICK (N.Z.) LTD** **D**  
P.O. Box 2359, Auckland  
Facsimilie (09) 797-979 Phone 32-695  
Avondale Plant, Patiki Rd, Avondale Phone 887-007  
Facsimilie (09) 881-066  
Wellington Plant, Main Rd, Tawa Phone 327-199  
Facsimilie (04) 324-781  
*Synthetic resin manufacturer and chemical merchandising company.*

**66 HAY HAWLEY & ASSOCIATES** **C**  
41 Te Awe Awe St, Palmerston North  
P.O. Box 1304, Palmerston North. Phone 80-044  
*Acoustic and environmental consultants.*

**67 HAZARDS ANALYSIS LTD** **C**  
8 Silverstream Rd, Crofton Downs, Wellington 4  
Phone 791-388  
*Analysis of hazards involving flammable vapours and dusts and also toxic chemicals. Services include analysis of causes of accidents and recommendations for preventative procedures, chemical plant safety audits, 1/2 day safety training programmes.*

**68 HEALING INDUSTRIES LTD** **D**  
**CHEMICAL DIVISION**  
P.O. Box 14-147, Panmure, Auckland. Phone 577-029  
P.O. Box 14-060, Wellington Phone 872-009  
P.O. Box 444, Christchurch Phone 795-988  
*Manufacturers and marketers of processing chemical products and service lines to industry, covering wood adhesives, metal finishing products, hand care and janitorial products, water treatment products.*

**69 HEWLETT PACKARD** **AE**  
5 Owens Rd, Epsom, Auckland  
P.O. Box 26-189, Auckland. Phone 687-159  
184-190 Willis St, Wellington 3  
Box 9443, Courtney Place Phone 877-199  
*Suppliers of instrumentation, electronic measuring equipment, computers and controllers.*

**70 HOECHST N.Z. LTD** **D**  
21-39 Jellicoe Rd, Panmure  
C.P.O. Box 67. Phone 578-068  
P.O. Box 7076, Sydenham, Christchurch Phone 50-257  
P.O. Box 38-169, Petone, Wellington Phone 730-506  
*Importer and distributor of chemicals.*

**71 B.R. HOMERSHAM LTD** **AEF**  
155 Roydvale Ave, Christchurch  
P.O. Box 280, Christchurch. Phone 588-309  
Unit A, 119 Captain Springs Rd, Onehunga, Auckland  
P.O. Box 12-258, Penrose Phone 593-121  
50 Victoria St, Lower Hutt, Wellington  
P.O. Box 30-593 Lower Hutt Phone 662-962  
*A private company supplying process control equipment to industry and research organisations both from overseas sources and local manufacture. Also suppliers and manufacturers of horticultural and irrigation equipment.*

**72 HOUSTON AUSTRALASIA LTD** **F**  
P.O. Box 22-023, Otahuhu, Auckland  
Phone 276-2473  
*Manufacturer and importer of process plant and equipment for the dairy, brewery, soft drinks and food industries.*

**73 THOMAS HYDE LTD** **A**  
435 St Asaph St, Christchurch  
P.O. Box 503, Christchurch. Phone 65-986  
89 Cuba St, Petone  
P.O. Box 38-537 Petone Phone 683-140  
13 Rose Rd, Grey Lynn, Auckland  
P.O. Box 9531, Newmarket Phone 761-508  
*Importers of medical and scientific equipment.*

**74 INDEPENDENT SERVICE LABORATORIES (ISL)** **C**  
25 McPherson St, Richmond  
Facsimilie (054) 82-182 Phone (054) 82-660  
Victoria St, Waihi  
*Industrial chemists, mining and exploration consultants and analysts (specialists in geochemistry). Experienced in method development for companies not having their own laboratory facilities.*

**75 INSAPIPE INDUSTRIES LTD** **B**  
P.O. Box 58-056, East Tamaki, Auckland  
Phone 274-4819  
P.O. Box 22-432, Christchurch Phone 67-671  
*N.Z. owned private company. Specialists in manufacture and supply of building services and laboratories, including a complete design and build facility.*

**76 INSTRUMATICS (CONTROLS & SYSTEMS) LTD** **CE**  
36 Atkinson Ave, Otahuhu  
Phone 276-7096  
*Process control engineers, providing complete installation services, design and consultancy, supply, installation and commissioning plus full maintenance service.*

# ROCHE

## Your partner in Science and Health

### ROCHE DIAGNOSTIC

#### REAGENTS

- Clinical Chemistry • Microbiology
- Immunology • Coagulation
- In vivo diagnostics • TDM

#### TOTAL SYSTEMS

- EIA • Coagulation • Micro ID
- Bloodcultures • TDM

#### INSTRUMENTS

- Centrifugal analysers
- Random-access analysers
- Automated microbiology • TDM
- EIA • Coagulation

### KONTRON INSTRUMENTS

#### ANALYTICAL

- Ultracentrifuges • Highspeed centrifuges
- Spectrophotometers • Spectrofluorometers
- ICP Systems • HPLC Systems • Nuclear counters
- Bloodgrouping • Amino acid analysers

#### MEDICAL

- Monitoring • Bloodgas • Diagnostic ultrasound
- Fetal monitors • Medical image analysers



### ROCHE PRODUCTS (NZ) LTD

P.O. Box 12-492, Penrose, Auckland. Telephone 640-029.



**77 IPSCO SALES & MANUFACTURING LTD ABF**

30 Salesyards Rd, Otahuhu  
P.O. Box 22-342, Auckland  
Phone 276-3639  
Wellington Branch (Toll free) Phone 738-947

*Air movement, treatment, filtration and control specialists.*

**86 MASKELL PRODUCTIONS LTD BF**

P.O. Box 11-185, Ellerslie, Auckland  
Phone 573-299

*Manufacturers of laboratory fume cupboards and exhaust systems, chemical storage tanks, fume scrubbers, ducts and fans, process vessels and pipes.*

**78 IVON WATKINS-DOW LTD D**

Private Bag, New Plymouth  
Phone 512-400

Feltex Centre, 145 Symonds St, Auckland  
52 Essex St, Linwood, Christchurch  
Bryant Rd, Te Rapa, Hamilton  
Tiki Place, Palmerston North

Phone 799-664  
Phone 68-739  
Phone 493-939  
Phone 65-040

*Subsidiary of Dow Chemical. Manufacturers of agricultural chemicals, surfactants and biocides.*

**87 MAY & BAKER N.Z. LTD D**

P.O. Box 35-060, Naenae, Wellington  
Phone 678-629

*Subsidiary of May & Baker UK. Importers of laboratory chemicals.*

**88 W.D. MCGREGOR LTD ABE**

118 Stoddard Rd, Mt Roskill, Auckland  
Phone 694-119

*Manufacturer and distributor of furnaces and temperature control equipment.*

**79 JOHNSON MATTHEY LTD BD**

114 Penrose Rd, Auckland 6  
Phone 595-039

*Refiners and fabricators of precious metals. Suppliers of platinum group metal products and rare earth elements and compounds.*

**89 MICRO MOTION AUSTRALIA LTD E**

P.O. Box 8497 Symonds St, Auckland  
Phone

*Selling and distributing mass flowmeters from parent company in the U.S.A.*

**80 KEMPTHORNE MEDICAL SUPPLIES LTD ABD**

79 Carlton Gore Rd, Newmarket, Auckland  
P.O. Box 1234, Auckland. Phone 775-289

25 Harwood St, Hamilton  
80 Adelaide Rd, Wellington  
348 Manchester St, Christchurch  
303 Great King St, Dunedin

Phone 75-073  
Phone 850-299  
Phone 792-050  
Phone 771-065

*Importers and distributors of general laboratory equipment and consumables to the health and science markets.*

**90 MINTECH NZ LTD D**

P.O. Box 440 Nelson  
Phone (054) 8009

Telex NZ3653, Fax (054) 82-182

11 Bowden Rd, Mt Wellington.

Phone 578-966

*Processor, importer and supplier of mineral and pigments to all industry sectors. Suppliers of chemicals to the drilling and related industries. Producers of high technology agricultural products including granulated fertiliser specialities and microbiological material.*

**81 KENT INSTRUMENTS (N.Z.) LTD AE**

P.O. Box 11-264, Ellerslie, Auckland  
Phone 592-133

P.O. Box 30-392, Lower Hutt  
P.O. Box 8366, Christchurch  
P.O. Box 2225, Dunedin  
P.O. Box 544, Napier

Phone 698-413  
Phone 489-873  
Phone 51-039  
Phone 438-833

*Supervises process control instrumentation for the Brown Boveri Kent Group.*

**91 MOBIL OIL N.Z. LTD D**

P.O. Box 2497, Wellington  
Phone 722-078

P.O. Box 1709, Auckland  
P.O. Box 38-073, Seaview Rd, Lower Hutt  
P.O. Box 2107, Christchurch

Phone 32-759  
Phone 683-089  
Phone 793-000

*Oil company with marketing activities in the fields of fuels, lubricants, agricultural products, waxes, solvents and chemicals.*

**82 LAWRENCE FLAVORS AND FRAGRANCES D**

12 Averton Place, East Tamaki  
P.O. Box 732, Auckland

Phone 274-5393

*Manufacturer and distributor of flavourings and fragrances. Distributor of food and cosmetic additives.*

**83 LEVINGSTON BROS LTD B**

P.O. Box 12-549, Penrose, Auckland  
Phone 592-714

*Manufacturers and suppliers of Vacuum pumps, fittings and accessories.*

**84 MACEWANS MACHINERY LTD BEF**

Process Equipment Division  
P.O. Box 12-845, Auckland  
Phone 590-185

P.O. Box 5694, Hamilton  
P.O. Box 640, New Plymouth  
P.O. Box 3048, Wellington  
P.O. Box 2648, Christchurch

Phone 79-034  
Phone 85-669  
Phone 723-888  
Phone 796-780

*Suppliers of processing systems and manufacturers of equipment to the dairy, food, chemical and packaging industries.*

**93 JOHN MORRIS SCIENTIFIC LTD ABEF**

3/101 Diana Drive, Glenfield, Ak 10  
P.O. Box 6348, Auckland. Phone 444-5836

4 Hardy St, Waterloo  
P.O. Box 30-496, Lower Hutt

Phone 693-244

*Supplying laboratory equipment and instrumentation to the scientific, industrial, medical and food laboratories.*

**94 THE NATIONAL DAIRY ASSOCIATION OF N.Z. LTD ABD**

69 Beach Rd, Auckland  
Phone 774-247

217-223 Featherston St, Palmerston North  
27 Waller Tce, Christchurch

Phone 87-142  
Phone 69-722

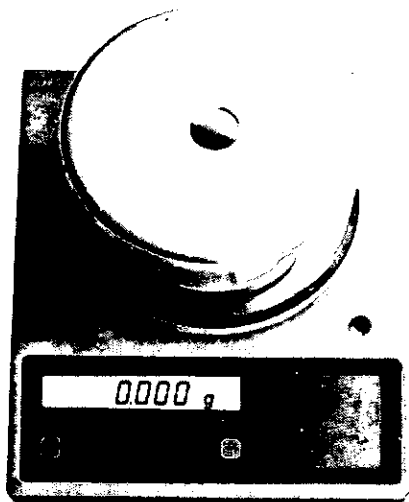
*A scientific wholesaler of laboratory glass and plasticware, consumables, equipment and instrumentation to industrial, medical and food laboratories.*

**85 S.D. MANDENO ELECTRONIC EQUIPMENT CO. A**

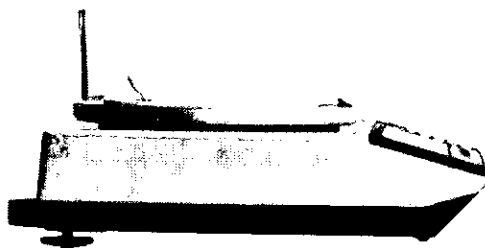
10 Woodhall Rd, Epsom, Auckland 3  
Phone 600-008

*Importer and supplier of electronic equipment and instrumentation.*

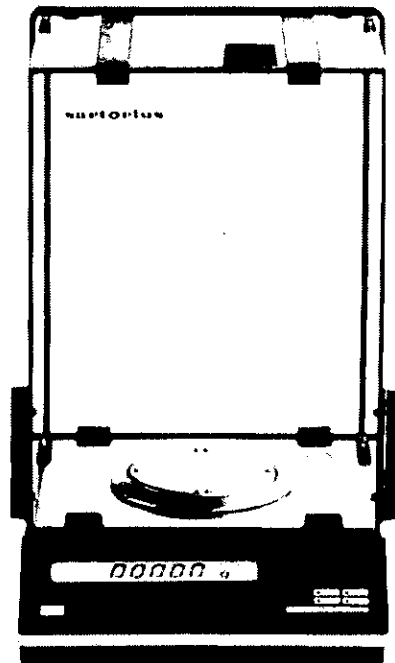
# CLEARLY BETTER BALANCES



**Sartorius excellence E 1200 S.** 1.2 kg capacity, 1 mg resolution: SuperRange. A first — weigh in the kilogram range with milligram precision.

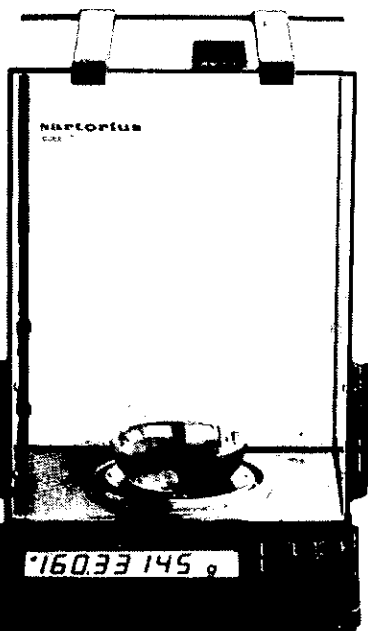


**Sartorius laboratory L 420 S.** 420 g balance with 1 mg resolution: SuperRange. A first — fully automatic calibration for 1 mg models.

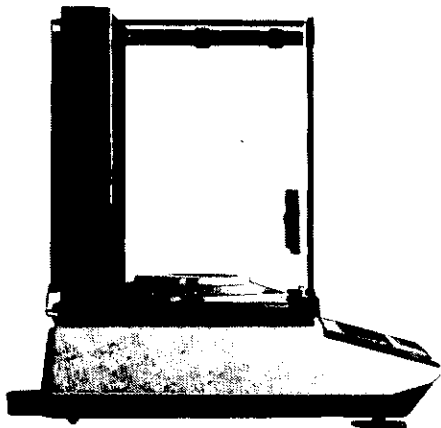


**Sartorius analytic A 200 S.** 202 g capacity, 0.1 mg resolution: SuperRange. The first fully-fledged electronic analytical toploader with an all-around, see-through draft shield. High tech at its best.

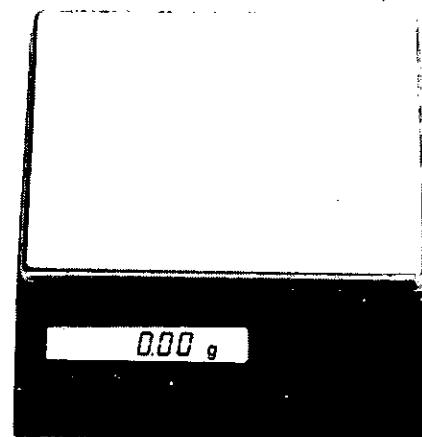
**Sartorius research R 160 P.** 162 g capacity, 0.01 mg resolution: PolyRange. Weigh directly into the same container (like 400 ml beakers) in the fully electronic semimicro-range — another first!



**Sartorius handy H 51.** The price of a small analytical with the technology of a big and powerful one: 51 g including 20 g for tare compensation.



**Sartorius universal U 3600 P.** Weigh 3.6 kg to exactly 10 mg: PolyRange. The large size weighing pan is only slightly smaller than the balance base to provide maximum useful space.



**sartorius**

The world's most advanced weighing technology.

Sartorius leads the field in state-of-the-art weighing technology, with a full range of balances which have proved their prowess in thousands of laboratories.

Now there is a new, pacesetter, generation of electronic scales and balances without equal. The new series of MP8-4 balances from Sartorius feature clear, unobstructed views of the weighing chamber and pan, big bright liquid crystal display, and a host of features you will not find in any other balance.

Call us for a demonstration, and you'll see why Sartorius balances are clearly better. Sartorius — the world's most advanced weighing technology.

WNT 106

Marketed by  
 **Salmond Smith Biolab Ltd**  
 Wilton Instruments Division

|                         |                 |               |
|-------------------------|-----------------|---------------|
| AUCKLAND                | WELLINGTON      | CHRISTCHURCH  |
| Private Bag Northcote 9 | P.O. Box 31-044 | P.O. Box 1813 |
| Phone 483-039           | Phone 697-099   | Phone 63-661  |

**WILTONS**

**95 NEILL CROPPER & CO. LTD**

119 Carbine Rd, Mt. Wellington, Auckland 6. Phone 276-4019  
 P.O. Box 62-005, Sylvia Park, Auckland 6. 276-9680  
 67-69 Fitzherbert St, Petone Phone 683-477  
 P.O. Box 38-200, Petone 683-765  
 467 Selwyn St, Christchurch  
 P.O. Box 4275, Christchurch  
 Phone 67-547

**96 N.Z. CHINA CLAYS LTD**

13 Stock St, New Lynn, Private Bag, New Lynn. **D**  
 Phone 871-181. Telex NZ 60244 Resourc.  
 Clay Processing Plant,  
 P.O. Box 14, Kerikeri Phone Kaoe 160  
*Mining and processing of china clay.*

**97 N.Z. INDUSTRIAL GASES LTD**

P.O. Box 3337, Wellington Phone 725-725  
 970-992 Great South Rd, Auckland  
 P.O. Box 22-065, Otahuhu, Auckland  
 Euclide Ave, Norris Ave, Te Rapa  
 Private Bag, Hamilton Phone 599-139  
 606 Tremaine Ave, Palmerston North  
 P.O. Box 504, Palmerston North  
 Hutt Park Rd, Lower Hutt  
 P.O. Box 30-202, Lower Hutt  
 27-27 Epsom Rd, Sockburn  
 P.O. Box 11-161, Sockburn, Christchurch  
 Main South Rd, Burnside, Dunedin  
 P.O. Box 338, Dunedin  
 Phone 493-963  
 Phone 82-121  
 Phone 684-249  
 Phone 487-199  
 Phone 882-065  
*Manufacturer and supplier of industrial, medical and specialty gases, electric welding equipment, gas equipment, welding consumables and laboratory gas equipment.*

**98 N.Z. PHARMACEUTICALS LTD**

P.O. Box 1869, Palmerston North **D**  
 Phone Linton 676  
*Processing of natural raw materials into pharmaceuticals and fine chemical intermediates.*

**99 NORTHROP INSTRUMENTS & SYSTEMS LTD**

P.O. Box 2406, Wellington  
 Phone 856-658  
 Private Bag, Auckland  
 P.O. Box 8788, Christchurch  
 Phone 545-065  
 Phone 795-360  
*A supplier of high technology equipment in the fields of science medicine and engineering.*

**100 PACIFIC RAW MATERIALS**

P.O. Box 22-064, Otahuhu **D**  
 Auckland Warehouse  
 Phone 276-9118  
*Importers and distributors of all kinds of chemicals.*

**101 PETROLEUM CORPORATION OF N.Z. LTD**

Petrocorp House, 86 Lambton Quay, Wellington  
 P.O. Box 1818, Wellington. Phone 739-812  
 Petrochemicals  
 P.O. Box 439, Hawera  
 Natural Gas Division,  
 Private Bag New Plymouth  
 Phone Okaiawa 849  
 Phone 70-861  
*Petrochemical industry involved in the treatment and supply of natural gas, manufacture of LPG, manufacture of anhydrous ammonia, manufacture of urea, manufacture of methanol.*

**102 PHILIPS ANALYTICAL LTD**

P.O. Box 2097, Wellington  
 Phone 735-735  
 P.O. Box 41-021, St Lukes, Auckland  
 P.O. Box 1488, Christchurch  
 Phone 894-160  
 Phone 798-030  
*Manufacturers and suppliers of electrical and electronic equipment and systems.*

**ADEF****103 PLASFAB INSTALLATION (1977) LTD BC**

24 Hill St, Onehunga, Auckland  
 P.O. Box 12143, Penrose. Phone 666-689  
*Plastic fabricators and designers of laboratory fume cupboards, exhaust and associated equipment. Also tanks for acid storage etc.*

**104 POLYCHEM MARKETING LTD**

32 Manukau Road, Auckland  
 Phone 505-868  
 38 Cambridge Terrace, Wellington  
 155 Kilmore St, Christchurch  
 Phone 856-609  
 Phone 60-652  
*Chemical importers.*

**105 PORTALS NEW ZEALAND LTD ACDEF**

11 Spring St, Onehunga, Auckland 6  
 P.O. Box 13-558, Auckland 6. Phone 641-079  
 Christchurch Phone (03) 33252  
 Hamilton Phone (071) 72427  
 Napier Phone (070) 439032

*Manufacturer of water treatment equipment for municipal and industrial supplies. Boiler and cooling water treatment chemical manufacturers. Manufacturers of laboratory reagents and test sets.*

**106 PROCESSED CHEMICALS INDUSTRIES LTD BCDF**

P.O. Box 88, Silverdale, North Auckland  
 Phone (0942) 48-179  
*Equipment and consumables for water purification. Analyses for water, soil and plant materials.*

**107 QUIK STIK INTERNATIONAL LTD**

P.O. Box 76-221, Manukau City **B**  
 Phone 278-0939  
 20 Kings Cres, Wellington, P.O. Box 44-094  
 373 Wilsons Rd, Christchurch  
 Cnr George & Hanover Sts, Dunedin  
 Phone 695-194  
 Phone 64-729  
 Phone 772-301  
*Producers of pressure sensitive labels for identification and safety. Processable by hand, typewriter or EDP units.*

**108 REVERTEX INDUSTRIES (N.Z.) LTD**

Industry Rd, Penrose, Auckland 6  
 P.O. Box 12-841, Penrose. Phone 592-029  
**D**  
*Manufacturers of emulsion polymers, alkyd resins, polyester resins, polyurethane resins and coatings. 65% owned by Monsanto Australia Ltd, 35% N.Z. public holding.*

**109 RHEEMPAK, RHEEM N.Z. LTD**

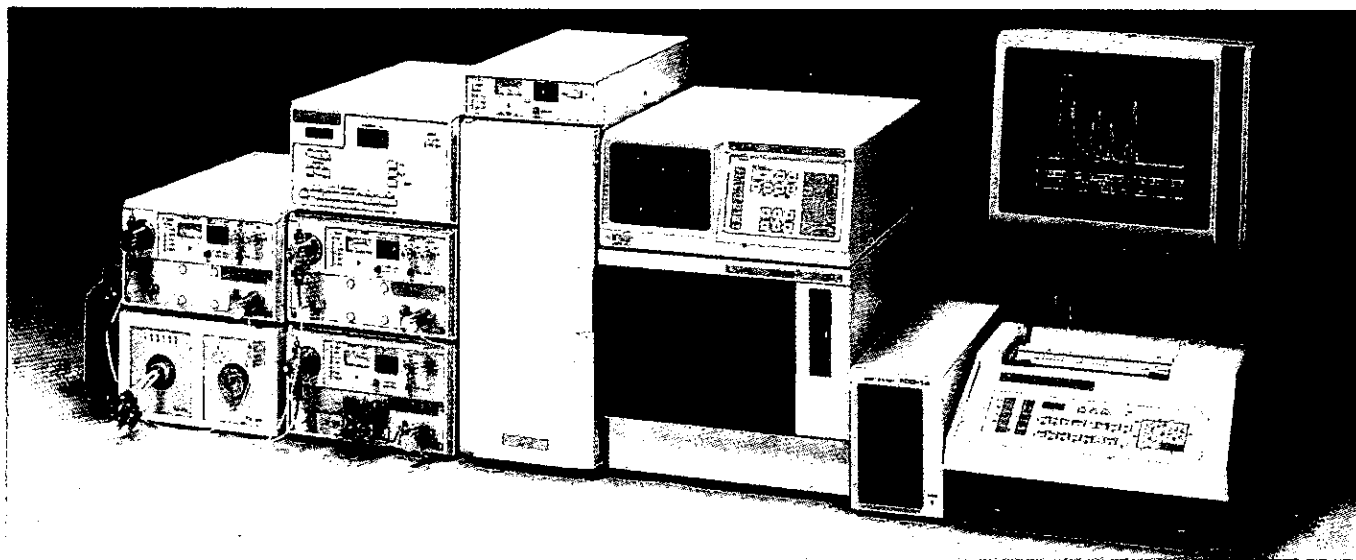
475 Rosebank Rd, Avondale, Auckland  
 P.O. Box 19-011, Avondale. Phone 883-088  
 P.O. Box 51-034, Tawa, Wellington  
 Phone 7189  
**B**  
*Suppliers of plastic pharmaceutical containers, including tablet bottles, jars and liquid bottles.*

**110 ROCHE PRODUCTS N.Z. LTD**

213 Church St, Te Papapa, Auckland  
 P.O. Box 12-492, Penrose. Phone 640-029  
**AD**  
*An affiliate of F. Hoffman-La Roche, Switzerland, a major international pharmaceutical, vitamin and fine chemical researcher and producer. Roche markets its wide product range in N.Z. with full local customer sales and technical support services.*

**111 ROCKLABS**

187 Morrin Rd, Glen Innes, Auckland 6  
 P.O. Box 18-142, Glen Innes. Phone 548-906  
**B**  
*Manufacturer and exporter of laboratory sample preparation equipment.*



- ★ **ECONOMY**
- ★ **RELIABILITY**
- ★ **PERFORMANCE**

Automated, gradient HPLC system, with C-R3A Chromatopac, real-time display and dual floppy-disk storage.

AWA New Zealand Limited offers the full range of Shimadzu scientific equipment for analytical chemistry.

This includes

Spectrophotometers: UV/VIS, IR, FTIR, AA.

Chromatographs: liquid, gas, ion.

Balances: microprocessor controlled.

Integrators: Multifunction printer, plotter, controller.

*and, most important of all —*

Full back-up support is given nationwide for  
**SHIMADZU SCIENTIFIC INSTRUMENTS**

*For further information, please contact:*



Auckland PO Box 1363  
Porirua PO Box 50-248  
Wellington PO Box 830  
Christchurch PO Box 32-054  
Dunedin PO Box 5070



**112 SALMOND SMITH—BIOLAB LTD  
SCIENTIFIC PRODUCTS DIVISION ABD**

39 Woodside Ave, Northcote, Auckland  
Private Bag, Northcote. Phone 483-039

410 Hutt Rd, Lower Hutt  
P.O. Box 31-044, Lower Hutt  
68 Orbell St, Christchurch  
P.O. Box 1813, Christchurch

Phone 697-099

Phone 63-661

*A N.Z. owned and operated public company with divisions operating in the medical and science, health and beauty, plastics and packaging manufacturing areas.*

**113 SCIENTIFIC ANALYTICAL LTD C**

22 Vogel St, Dunedin  
P.O. Box 1355 Dunedin. Phone 772-204; 44-491 (a.h.)

*General consultant and analyst for manufacturing and processing industries and agriculture related industries. Specialists in soil and plant analysis.*

**114 SCIENTIFIC & GENERAL  
CONSULTANTS LTD C**

57 Angle St, Onehunga, Auckland  
P.O. Box 13-219, Onehunga. Phone 642-593

*Analytical and consultant chemists. Public analysts.*

**115 SCIENTIFIC SERVICE  
LABORATORIES LTD**

P.O. Box 3030, Onekawa, Napier  
Phone 447-400

*Small company specialising in the manufacture of corrosives, usually based on mineral acids, such as soldering fluxes, chemical pickles and etchants. Also design and build small scale chemical plants using industrial scale glassware.*

**116 SCIENTIFIC SUPPLIES LTD ABD**

21 Lorient Place, East Tamaki Auckland  
P.O. Box 14-454, Pakuranga. Phone 274-7579 274-8907

*Wholesale suppliers of laboratory chemicals and disposables.*

**117 SCI—MED (NZ) LTD AB**

24 Forth Street, Dunedin  
P.O. Box 321 Dunedin

P.O. Box 68232 Auckland  
P.O. Box 6004 Palmerston North  
P.O. Box 508 Wellington  
P.O. Box 411 Christchurch

Phone 775-531

Phone 793-993

Phone 78-959

Phone 842-282

Phone 65-463

*A wholly owned subsidiary company of the EBOS Group, supplying New Zealand and the South Pacific with scientific instrumentation, fully supported by our technical, marketing and service team.*

**118 SHELL CHEMICALS N.Z. LTD D**

P.O. Box 2091, Wellington  
Phone 720-080

Cnr Albert & Wyndham Sts, Auckland 1

Seaview Rd, Lower Hutt

P.O. Box 38-227 Petone

Chapmans Rd, Woolston, Christchurch

*Chemical manufacturing and marketing company. Field of activities includes industrial chemicals, petrochemicals, polymers, plastics, surfactants and agricultural chemicals.*

Phone 778-880

Phone 684-279

Phone 844-005

**119 STAUFFER CHEMICAL CO. N.Z. LTD D**

1st Floor, Augustus House, 15 Augustus Tce,  
Parnell, Auckland  
P.O. Box 32-022, Parnell. Phone 774-932  
FAX (09) 394-545

*Importers and distributors of raw materials for N.Z. industry and agriculture.*

**120 STEVEN FITZMAURICE & PARTNERS LTD C**

48 Broadway, Newmarket, Auckland  
P.O. Box 9437, Newmarket. Phone 547-156

Water Resources Laboratory,  
8 Leek St, Newmarket

Phone 544-721

*Consulting engineers specialising in public health engineering, water treatment, wastewater treatment. Water resources laboratory provides analytical and treatment technology support for engineers. Pilot and lab scale investigations.*

**121 STEVENS CHEM INDUSTRIES LIMITED CD**

46 Ben Lomond Cres, Pakuranga, Auckland  
P.O. Box 51-095, Pakuranga. Phone 569-049

*Contract manufacturers of pharmaceuticals, cosmetics, toiletries and household products.*

**122 SULKEM COMPANY LTD D**

40 Anzac Ave, Auckland  
P.O. Box 2294, Auckland. Phone 390-769

*Importers and traders of chemicals and raw materials.*

**123 SWIFT NEW ZEALAND DE**

222 Station Rd, Penrose, Auckland  
P.O. Box 2301. Phone 591-039

46-52 Abel Smith St, Wellington

P.O. Box 2328, Wellington

Amuri Courts, Durham St, Christchurch

P.O. Box 1611, Christchurch

Phone 856-707

Phone 62-851

*Importers of chemicals, chemical raw materials, laboratory instruments and equipment, process control equipment and process equipment.*

**124 TECHNICON EQUIPMENT PTY LTD A**

9 Central Rd, Kingsland, Auckland  
P.O. Box 52-144, Auckland. Phone 895-120

329 Madras St, Christchurch

Phone 797-968

*Principal of international company, specialists in continuous flow analysers and near infrared reflectance (NIR).*

**125 TESTING LABORATORY REGISTRATION  
COUNCIL OF N.Z.**

Telarc House, 19 Mauranui Ave, Remuera, Auckland 5.  
Private Bag, Remuera Phone 541-045

*N.Z.'s quality assurance and testing laboratory accreditation organisation.*

**126 THERMOPLASTIC ENGINEERING LTD BF**

151 Park Rd, Mirimar, Wellington  
P.O. Box 25-038, Wellington. Phone 882-092

*Plastic engineers, manufacturers and innovators specialising in fume cupboards, fume handling, fans, ducting and drying racks.*

**127 UNION CARBIDE N.Z. LTD D**

P.O. Box 1040, Auckland  
Phone 444-8046

Wellington

Christchurch

Phone 695-475

Phone 889-879

*Importers and stockists of chemicals and resins manufactured by Union Carbide Corporation. Manufacturer of polyurethane foam systems, battery products and "Glad" goods.*

**128 UPJOHN INTER-AMERICAN CORP D**

22 Kalmia St, Ellerslie, Auckland  
Phone 591-346

*Suppliers of human and veterinary pharmaceuticals, agricultural chemicals and pharmaceutical fine chemicals.*



**Agricultural Chemicals,  
Pigments, Dyestuffs,  
Vitamins, Plastics, Magnetic Media, Chemicals, Textile and Leather Auxillaries,  
Pharmaceuticals, Paper and Surface Coating Specialties, Rubber, Adhesives,  
Timber Preservatives, Oil Field, Refinery and Fuel Additives.**