

The



CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

MARCH 14 1959

R E L I E F



MA5869/100

always at hand...

'PHENERGAN'
trade mark brand
CREAM

M&B
ANTISEPTIC
CREAM

'ANTHISAN'
trade mark brand
CREAM

PROMETHAZINE HYDROCHLORIDE
FOR FIRST-AID TREATMENT
OF BURNS
(Retail price 3s 6d.)

PROPAMIDINE CREAM
FOR ALL MINOR INJURIES
(Retail price 2s 0d.)

MEPYRAMINE MALEATE
FOR SKIN IRRITATIONS DUE TO
ALLERGY OR SENSITIZATION AND
INSECT BITES AND STINGS
(Retail price 3s 0d.)

MANUFACTURED BY



MAY & BAKER LTD · DAGENHAM

M&B brand Medical Products

DISTRIBUTORS: PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD · DAGENHAM



CASCARA

Official preparations of Cascara Sagrada, including Dry Extract B.P., Granular, for the manufacture of tablets.

CHRYSAROBIN

Chrysarobin B.P.C. 1949 — large or small quantities offered at keenest rates.

CODEINE

Codeine Phosphate Special (Smith) is recognised throughout the world as the Codeine of choice for the manufacture of tablets.

ESERINE

Alkaloid, Salicylate and Sulphate available in all sizes of packs from 1 grain upwards. Quotations on request.

PETHIDINE

Pethidine Hydrochloride B.P. for the preparation of injections and tablets. Offered subject to D.D. Regulations.

I.C.I. Aerosol Insect Spray

BIG CUTS IN PRICES - PLUS BONUS OFFER!

PRICE CUTS

5 oz. reduced from 5/6d. to 4/6d. retail
 12 oz. „ „ 10/6d. to 9/- „
 20 oz. „ „ 17/6d. to 15/- „

BONUS OFFER

5% extra discount on these trade prices for all orders received before April 30th:

5 oz. 37/10d. trade doz. (minimum 1 doz.)
 12 oz. 75/7d. trade doz. (minimum ½ doz.)
 20 oz. 126/- trade doz. (any quantity)

Note minimum quantities on 5 oz. and 12 oz. packs to qualify for Bonus Terms.

Please discuss credit for existing stocks with our representative when he calls.

Three powerful insecticides combine to make I.C.I. Aerosol Insect Spray outstandingly effective. First, gamma BHC; second, pyrethrin; third, piperonyl butoxide. Together they form an insect spray that is both quick-acting and persistent—lethal to flying insect pests of all kinds, yet harmless to human beings and animals.



Leading women's magazines will carry advertisements for I.C.I. Aerosol Insect Spray in summer issues. Counter leaflets, showcards and crownors are available for your own display.

IMPERIAL CHEMICAL INDUSTRIES LIMITED Pharmaceuticals Division Wilmslow Cheshire

Ph.905

*Chemists are very
equipment conscious
but ---*

9 out of 10 are not aware

of the latest developments in Oxygen Equipment

THE KIDDE TYPE H.S. OXYGEN SET which is available for purchase has been specially developed for the National Health Service. It is designed for use with standard medical oxygen cylinders fitted with bull-nosed valves.

Approved by the Ministry of Health for domiciliary use against E.C.10 orders.



Easily assembled without spanners.



Supplied in strong box with two disposable masks.



Robust and simple to operate.



To meet domiciliary oxygen therapy prescriptions stock the Type H.S. Set now.

THE WALTER KIDDE COMPANY LTD.



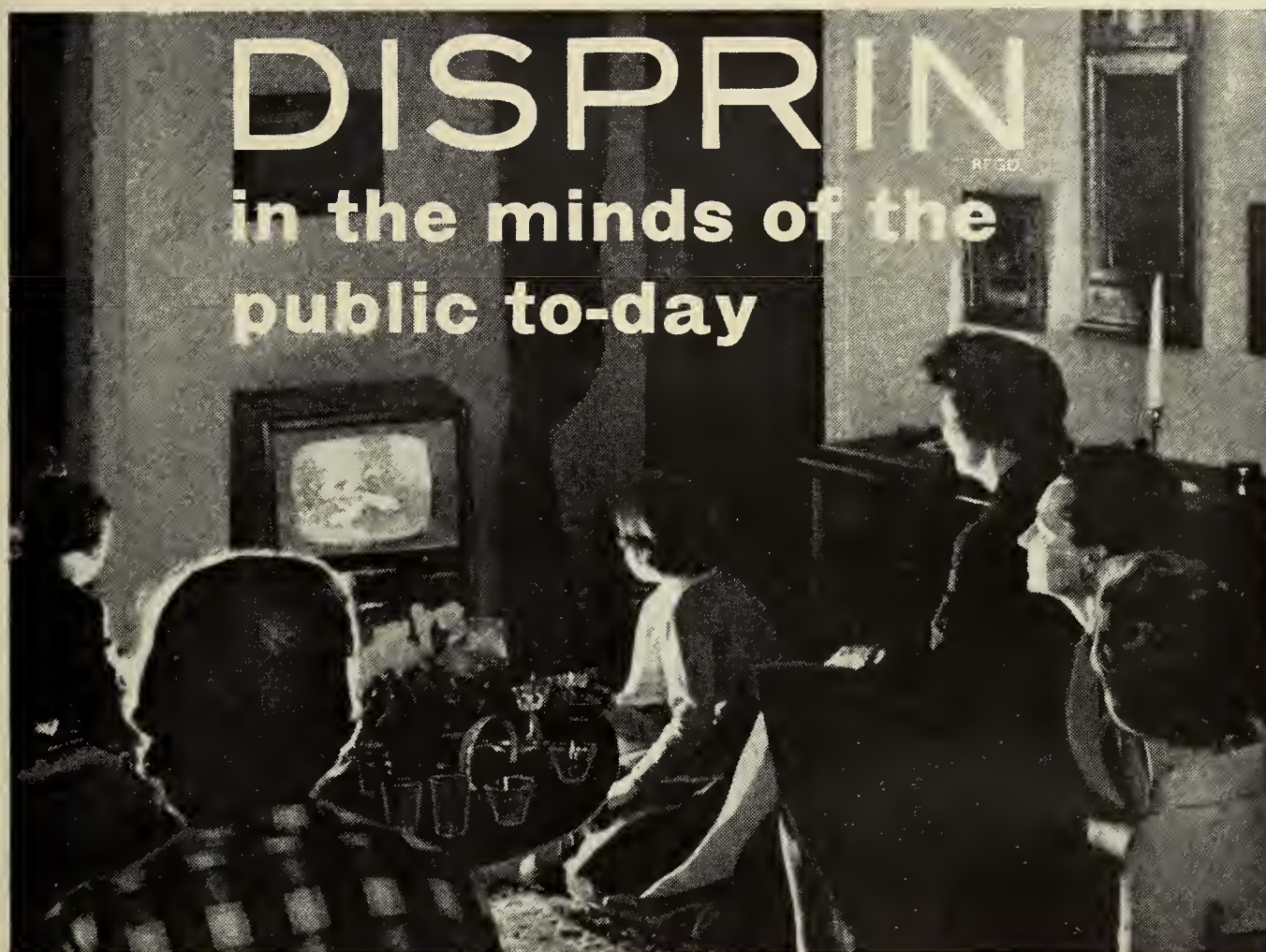
Belvue Road, Northolt, Middlesex
Telephone: Waxlow 1061

Please send further details and trade terms of the H.S. Set without obligation.

NAME

ADDRESS

THE WALTER KIDDE COMPANY LIMITED
BELVUE RD., NORTHOLT, MIDDLESEX



**Advertisements on TV reach 18,000,000 people,
and press advertising 26,000,000**

Through the compelling medium of television, and powerful advertisements in the national daily and Sunday newspapers, the advantages of Disprin are being firmly impressed on the public mind.

This wide-scale advertising is aimed to educate the public in the qualities of Disprin as a speedy, safe, pain-reliever; an analgesic which, because it

dissolves, averts the danger common to non-soluble aspirins—that of acid particles of tablet lingering in the stomach to cause gastric disorder.

So when your customers ask you for an analgesic to relieve headaches, 'flu, rheumatism, neuralgia and similar ailments, recommend soluble Disprin—the analgesic approved by the medical profession.

**Take advantage of large-scale DISPRIN advertising —
see that you have full stocks of DISPRIN**



DISPRIN

REGD.

RETAIL PRICES (incl. P.T.) 100-tablet foil 5/6; 50-tablet bottle 3/3; 28-tablet foil 1/11½; 26-tablet bottle 1/11½; 8-tablet foil 9d.

TRADE PRICES (excl. P.T.) 100-tablet foil 38/10 doz.; 50-tablet bottle 23/- doz.; 28-tablet foil 13/10 doz.; 26-tablet bottle 13/10 doz.; 8-tablet foil 5/2 doz.

RECKITT & SONS LTD., PHARMACEUTICAL DEPARTMENT, HULL

Have you AN IODINE PROBLEM?

If at any time you require advice or information on the pharmaceutical uses of iodine the Chilean Iodine Educational Bureau will be pleased to help you. No charge is made for the Bureau's services.

**CHILEAN IODINE
EDUCATIONAL BUREAU**
Chile House, Ropemaker Street, London, E.C.2

Now coughs abound

SUGGEST BESORBON There's nothing like pure safe Besorbon to clear up obstinate colds and catarrh.

NO TOBACCO Besorbon is a purely medicinal snuff. It is packed in handy hygienic tins. Each contains the full instructions.

FREE COUNTER UNIT Stock Besorbon by the dozen and obtain the attractive impulse selling counter unit free. Display it prominently. You'll gain more sales—more business.

It's big selling for

BESORBON
REGD. TRADE MARK

MEDICINAL SNUFF

Kemsales Ltd. • Eastcheap • London, E.C.3

Whitaker's for Dyes

"LUTON" STRAW HAT DYES and
"AURORAL" COLD WATER DYES

are nationally advertised and are regularly requested. Attractive Pattern Cards and Showcards supplied.

Write for Order Form giving full lists of colours, prices and terms to:
WHITAKER & CO. (KENDAL) LTD., KENDAL.



Powerful advertisements on TV and in the National Press are now appearing. THE RESULTS DEPEND ON YOU! Display Victory-V Lozenges on your counter. Use the FREE POINT-OF-SALE AIDS.



**CASH IN ON
VICTORY-V
— ORDER TODAY**
from your usual supplier

VICTORY FACTORIES NELSON, LANCs.

OVER 1/9 D

PROFIT

IN THE TILL



**KEARSLEYS
WIDOW WELCH'S
PILLS**

Over 1/9 BOX PROFIT by ordering 1 dozen 6/5 size. Bonus given on every dozen (13). It pays to push this size.

C. & G. KEARSLEY LTD.
71 DARTMOUTH ROAD, LONDON, S.E.23

Always in Demand

RODINE

Rodine Phosphorus, Rodine Red Squill, Rodine Warfarin (Ready-to-use or Concentrate), and Special Rodine Mouse Warfarin.

THOMAS HARLEY LTD., RODINE WORKS, PERTH, SCOTLAND

**BURROUGH'S
ABSOLUTE ALCOHOL**

JAMES BURROUGH LTD. 1 CALE DISTILLERY LONDON S.E.11

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LEWIS & BURROWS LTD.

WISH TO ACQUIRE SUBSTANTIAL BUSINESSES
SHOWING REASONABLE PROFITS

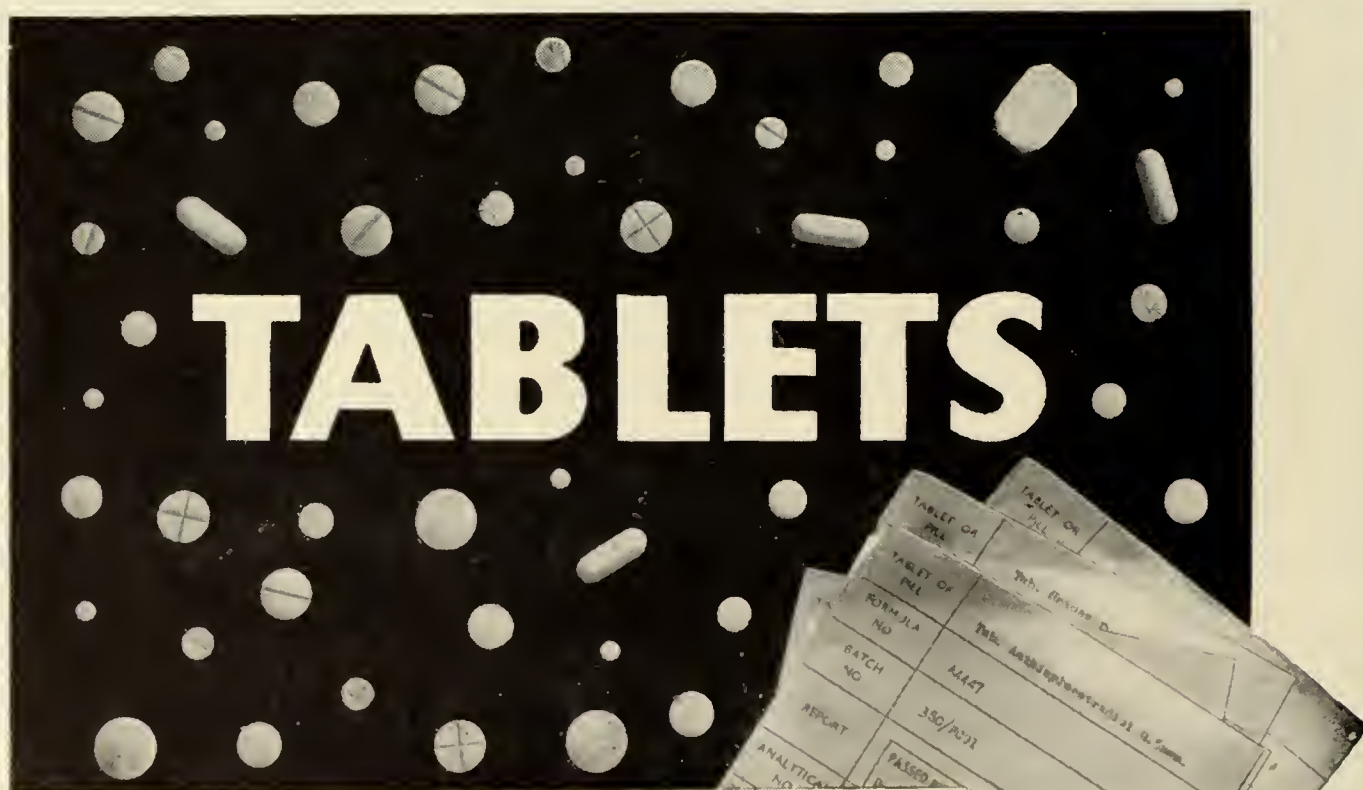
- Commanding Main Road positions essential
- Minimum Turnover £15,000 per annum
- Better Class Trade with good Cosmetic Agencies preferred

WRITE IN CONFIDENCE TO THE COMPANY SECRETARY

J. P. JEFFERY, F.C.I.S. Lewis & Burrows Ltd., Mappin House, Winsley St., London, W.1

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by **CARTWRIGHT'S**

For the production of tablets to any formula consult

W. B. CARTWRIGHT LTD., Manufacturing Chemists, RAWDON, LEEDS

We would welcome Export, Hospital or Wholesale enquiries



We're putting the
'Alkathene' label before
every woman's eyes

YOUR CUSTOMERS are bound to see our advertising for 'Alkathene'. Colour pages in women's magazines; 30-second T.V. commercials; a 2-minute colour film. They all say 'Look for the 'Alkathene' label'. And your customers will look for it, when they come into your shop.

It will certainly pay you to sell goods labelled 'Alkathene'. The label is a sign of good quality and reliability.

To meet the growing demand, make sure you have plenty of goods labelled 'Alkathene'. Display them well and cash in on this forceful publicity drive.

FREE DISPLAY MATERIAL

to link your shop with 'Alkathene' national advertising, available on application through your usual trade channels or direct to Publicity Dept., Plastics Division, Imperial Chemical Industries Ltd., Welwyn Garden City, Herts. Shelf cards can be obtained from individual manufacturers.

'Alkathene' is the registered trade mark for the polythene manufactured by I.C.I.

IMPERIAL CHEMICAL INDUSTRIES LIMITED · LONDON · S.W.1





Excellent formula. Modern pack and Display material

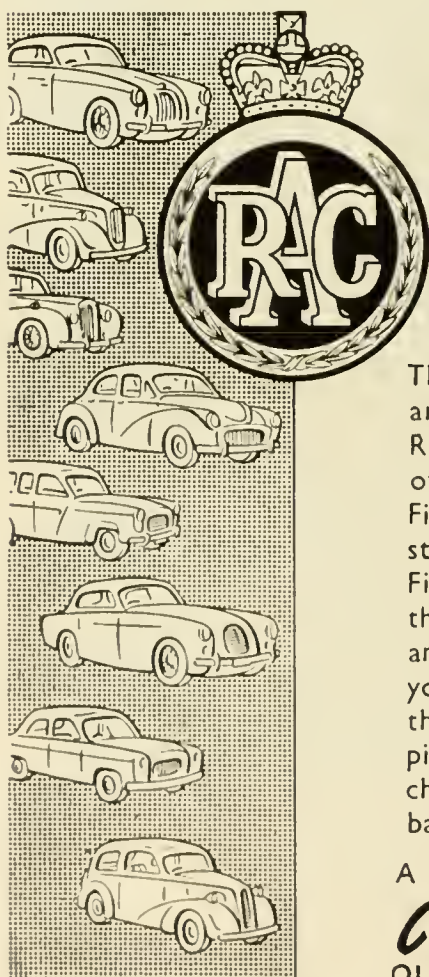
**CARTONED TUBES PACKED
IN SHOWOUTERS OF 1 DOZEN**

Write to us for large sample tube and generous
Trade Terms

stock up early this year

ARTHUR H. COX & CO. LTD
BRIGHTON · ENGLAND

In the service of pharmacy for 120 Years



MOTORISTS FIRST AID OUTFIT

There is a golden opportunity for you with this R.A.C. sponsored Outfit, and you will be well advised to make a feature display. In the familiar R.A.C. colours the tins are very attractive, and in addition to the sales of the Outfit itself, you would establish your pharmacy as suppliers of First Aid Outfits. There is a steadily increasing demand for First Aid Outfits, possibly greater than you realise, due to legislation and aroused public interest. As you are no doubt aware, we are the First Aid specialists and as pioneers we offer the widest choice of Outfits, with contents backed by 75 years' experience.

SIZE: 5½ in. x 3½ in. x 1½ in.

TRADE PRICE — 5/4 each

RETAIL PRICE — 7/- each

Carriage paid £6 and over (all goods).

A PRODUCT OF
Cuxson, Gerrard
& Co. Ltd.
OLDBURY BIRMINGHAM



THE WORLD'S LOWEST PRICED, MOST EFFICIENT and FASTEST SELLING



6 oz. Size

3/11

Retail Cost

34/- doz. (Tax Free)

12 oz. Size

7/3

Retail Cost

63/- doz. (Tax Free)

AEROSOLS

★ GIVE THE PUBLIC WHAT THEY WANT ★

Advertising in LOCAL and NATIONAL PRESS MAY, JUNE & JULY

The News of the World
Yorkshire Evening Post
Manchester Evening News
Liverpool Echo
Sheffield Star
Newcastle Evening Chronicle
Lancashire Evening Post
Bristol Evening Post
Glasgow Evening Citizen
etc. etc.

London Evening Star
London Evening News
Yorkshire Evening News
Bradford Telegraph and Argus
Birmingham Despatch
Hull Daily Mail
Middlesbrough Evening Gazette
Northern Echo
Blackburn Evening Telegraph
etc. etc.

See our Representatives for BONUS DISCOUNTS CERTAIN ORDERS PLACED BEFORE MARCH 31st

ORDER

6 oz. Size

3/11

Retail Cost

34/- doz. (Tax Free)

12 oz. Size

7/3

Retail Cost

63/- doz. (Tax Free)

HAZE Air Purifier

.....6 oz. (3/11)12 oz. (7/3)

FLORET INSECTICIDE

B.H.C. Gammexane-Pyrethrum

6 oz. (3/11)

12 oz. (7/3)

Lilac

Lavender

Jasmin

Gardenia

Bouquet

Carnation

Name.....

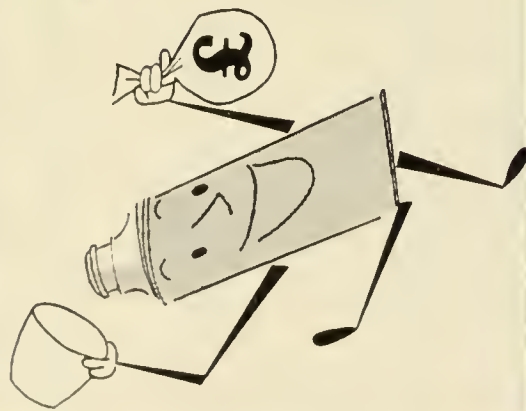
Address

.....

MINIMUM DIRECT ORDERS—2 DOZ. (Assorted lines may be ordered).



ULTER (BRADFORD) LTD., 12 BANK STREET, WIBSEY, BRADFORD, 6, YORKSHIRE



**MAKE
1959
YOUR
BIGGEST**

THERMOS
REGISTERED TRADE MARK

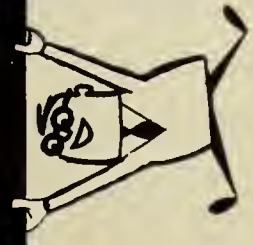
Plans — detailed below — have been laid to make 1959 your biggest year ever for THERMOS brand vacuum flask sales. Be ready with good supplies when the heavy TV and Press advertising breaks in early MARCH! From that time on there will be a rising demand for the Thermos brand flask that has everything new about it —

**YEAR
EVER**

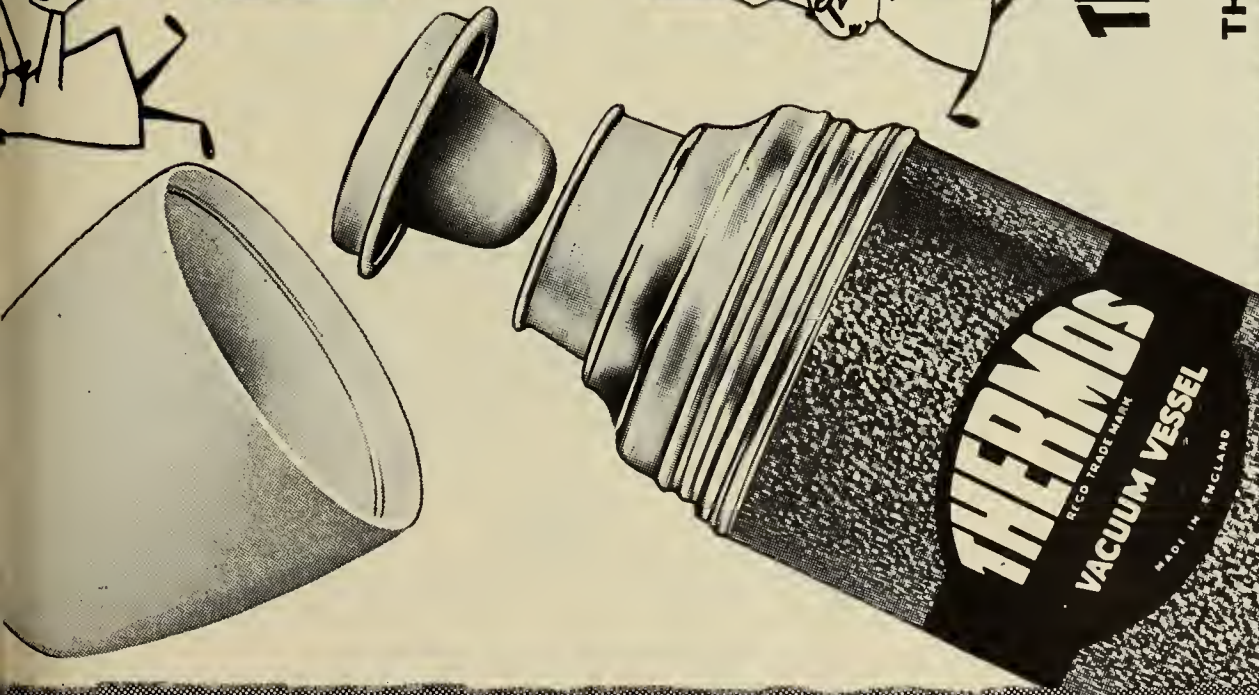
plus improved leakproof polythene stopper,
Drip-free polythene pourer lip

NEW designs

NEW discount terms



NEW advertising



5% EXTRA DISCOUNT

5% extra discount is now allowed by your wholesaler on all orders value £7. 10. 0 nett (or £10 list prices): all Thermos models and components qualify

Throughout Spring and early Summer popular magazines, mass-circulation daily papers and all **TV** networks will carry frequent and forceful 'Buy-Thermos messages that will be seen and heard by millions

IT'S GOING TO BE A BUMPER-PLUS YEAR

THE VACUUM FLASKS THAT ARE TEMPERATURE TESTED AND EFFICIENCY GUARANTEED!

For detailed price list apply direct to.

THERMOS BRAND

THERMOS LIMITED SEYMOUR ROAD · LEYTON · LONDON · E.10



'Tyrozets' and 'Sucrets'

The fastest-selling *ethical* throat lozenges.

Not *all* throat lozenges receive the approval of young patients! Taste *is* important.



'Tyrozets' and 'Sucrets' are pleasant to taste and are willingly accepted, even when recommended for children.

Against this background of ready acceptance by children and adults,

'Tyrozets' and 'Sucrets' instantly and safely soothe sore throats.

'Tyrozets' (exempt P.T.) retail at 2/6d. per tube; 'Sucrets' at 2/6d. per tin (including P.T.).

'Tyrozets' and 'Sucrets' can be sold by pharmaceutical chemists without a prescription.

'Tyrozets' and 'Sucrets' are Regd. Trade Marks



MERCK SHARP & DOHME LIMITED
HODDESDON, HERTS

“He’s such a problem, Doctor!”

In every other respect a normal healthy child, he has never been dry at night, with the result that he has acquired undeservedly the label “difficult”. As he grows older his shame and embarrassment will become more acute as those around him become less tolerant of his disability.

In his case, as in the case of many others, Di-sipidin, by controlling enuresis symptomatically on strictly physiological lines, offers a real prospect of an early return to normal function with a consequent restoration of confidence and self-respect.

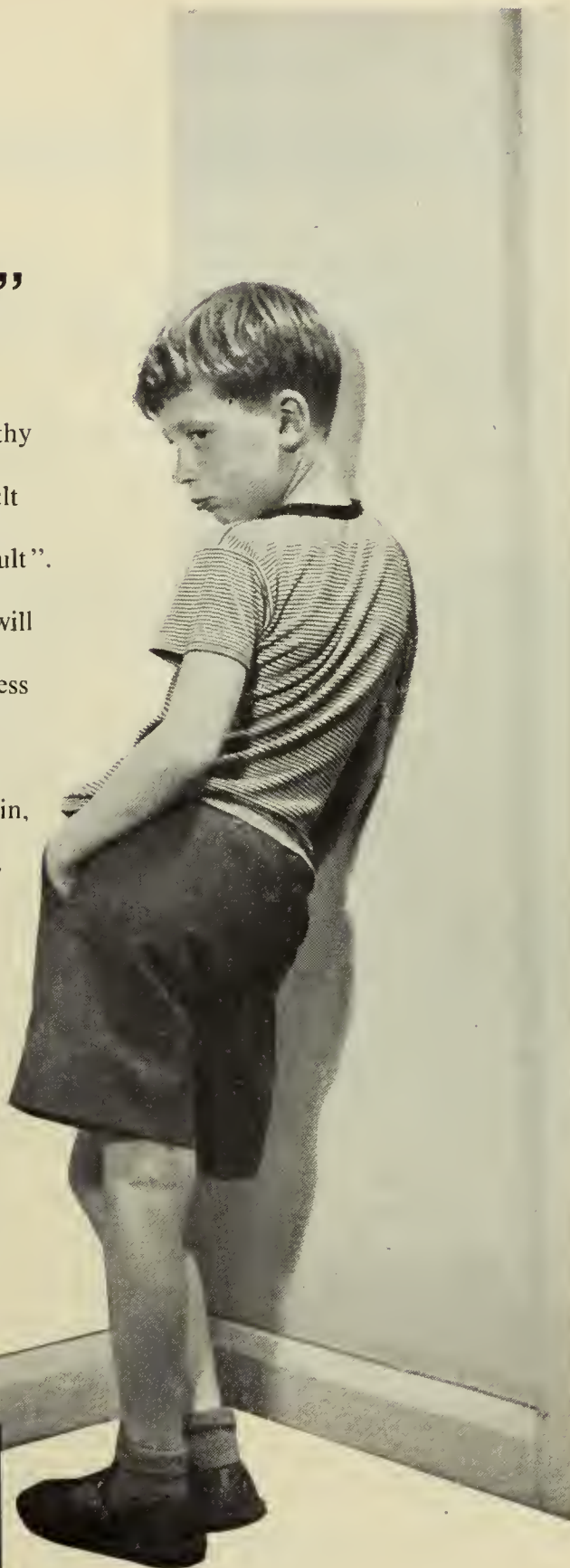
*References: BMJ (1954)11, 1433;
BMJ (1954)1 1038; BMJ (1955)1 1194;
LANCET (1955)i 1228;
LANCET (1956)ii 1334*

DI-SIPIDIN

INSUFFLATIONS

*Packings: Capsules: 25, 100, 500
Outfit: Di-sipidin Insufflator and 25 capsules.*

PAINES & BYRNE LTD., PABYRN LABORATORIES, GREENFORD, MIDD.



Another happy event in

HALEX
nursery ware



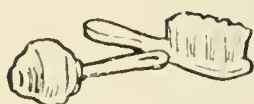
Polythene Baby Bath

with all the features Mothers look for :—

- | | |
|-------------------------------------|--|
| Smooth, rigid, safe and unbreakable | Decorated with colourful animal transfer |
| Cannot chip or rust | Easy to clean without abrasives |
| Folding wooden stand to match | Colours : White, pink or blue |

Retail Price 60/-, complete with stand.

YET ANOTHER IN THE FAST-SELLING FAMILY OF HALEX NURSERYWARE



TOILET SETS



CHAMBER POTS



FEEDING BOWLS



MUGS



TRAINING SEATS

Order now through your usual wholesaler

HALEX (a Division of the British Xylonite Company Ltd.) HIGHAM'S PARK, LONDON, E.4



ACME

sales go up and up because



**FULL COVER
FOR
RETAILER
AND
WHOLESALE
AGAINST
BREAKAGES**

**EACH FLASK
CLEARLY
PRICE-
MARKED**
**SUPPLIED
ONLY THROUGH
APPOINTED
DISTRIBUTORS**

**TRADE
DISCOUNT**
27 1/2%
**LARGE STOCKS
AVAILABLE FOR
IMMEDIATE
DELIVERY**

Each ACME FLASK is fully tested and guaranteed to keep liquids PIPING HOT or FREEZING COLD under all conditions

Fully illustrated literature on request to:-

ACME VACUUM FLASK
 DIVISION
ANTIFERRENCE LIMITED
 BICESTER ROAD, AYLESBURY, BUCKS Tel: Aylesbury 2511 (6 lines)

ONE OF THE WORLD-WIDE ANTIFERRENCE GROUP OF COMPANIES
LONDON · BRUSSELS · TORONTO · SYDNEY

Extra profit on
NIVEA
 if you buy now!

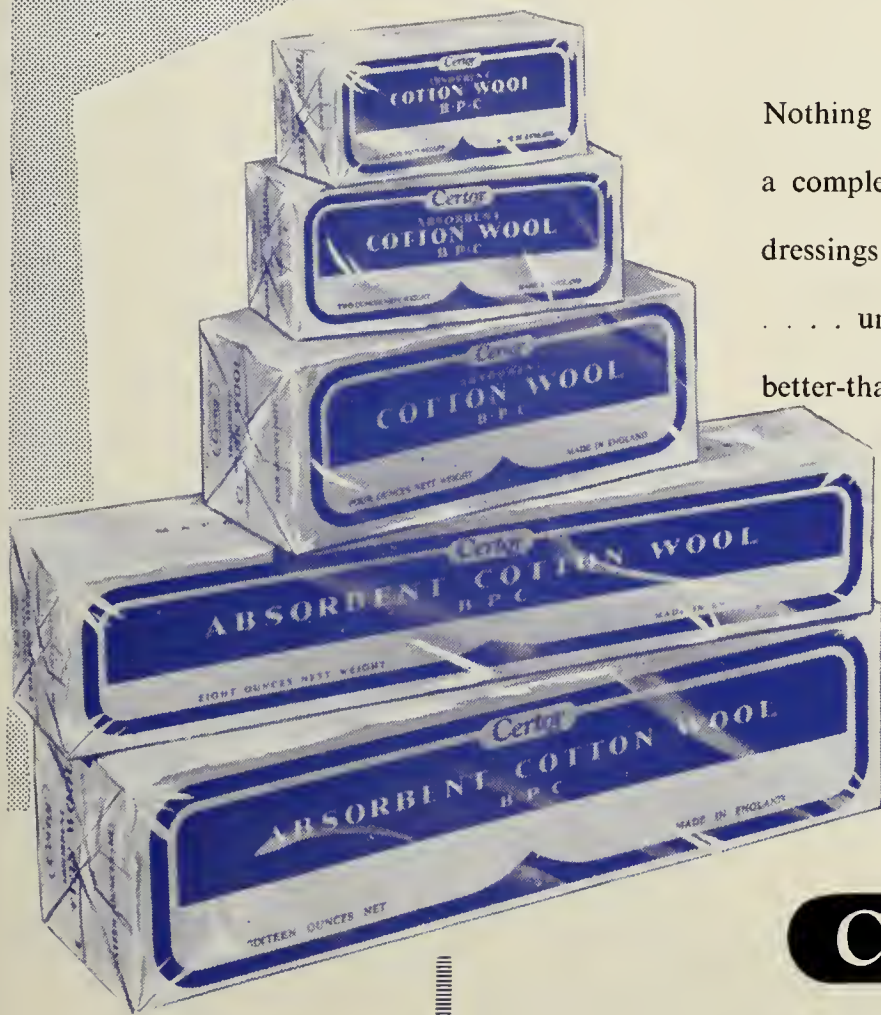
NIVEA
 creme
 FOR THE CARE OF THE SKIN

The big Nivea sales drive is starting! So place your order now—and make sure of your extra profits from the Nivea Bonus offer. Remember, we are offering a Purchase Tax Guarantee as well!

Full details of Nivea Bonus have been mailed to all chemists. Have you received your copy? *If not, please write at once to:*

SMITH & NEPHEW LIMITED, BESSEMER ROAD, WELWYN GARDEN CITY, HERTS. 

A BIG ADVANCE in dressings packs



Nothing like this before
a complete range of surgical
dressings in film-wrapped cartons
. . . . unrivalled for display . .
better-than-ever protection.

Certor

Regd.

FILM-WRAPPED

CARTONNED DRESSINGS

B · P · C

Full standard N.H.S. range

BLUE
printed cartons for Cotton Wool

GREEN
printed cartons for White Lint

RED
printed cartons for Boric Lint

MAROON
printed cartons for Gauze

BETTER FOR YOUR CUSTOMERS... BETTER FOR YOU...

Also in film-wrapped cartons—

CERTOR BABY COTTON WOOL • MANSIL HOSPITAL COTTON WOOL

MACDONALD & SON LTD. of MANCHESTER & LONDON

PORTLAND MILL, ASHTON-UNDER-LYNE, LANCs. 25 HOLYWELL ROW, LONDON, E.C.2
TELEPHONES: ASHTON-UNDER-LYNE 4422 (10 LINES). BISHOPSGATE 4809 (2 LINES)



PHA999

SOUND FOUNDATIONS

Make M&B chemicals the basis of your pharmaceutical manufactures. Our long experience, extending over a century, in the manufacture, handling, and use of fine chemicals supports our claim that our products are entirely suitable in every respect for your purposes.

For the manufacture of TABLETS

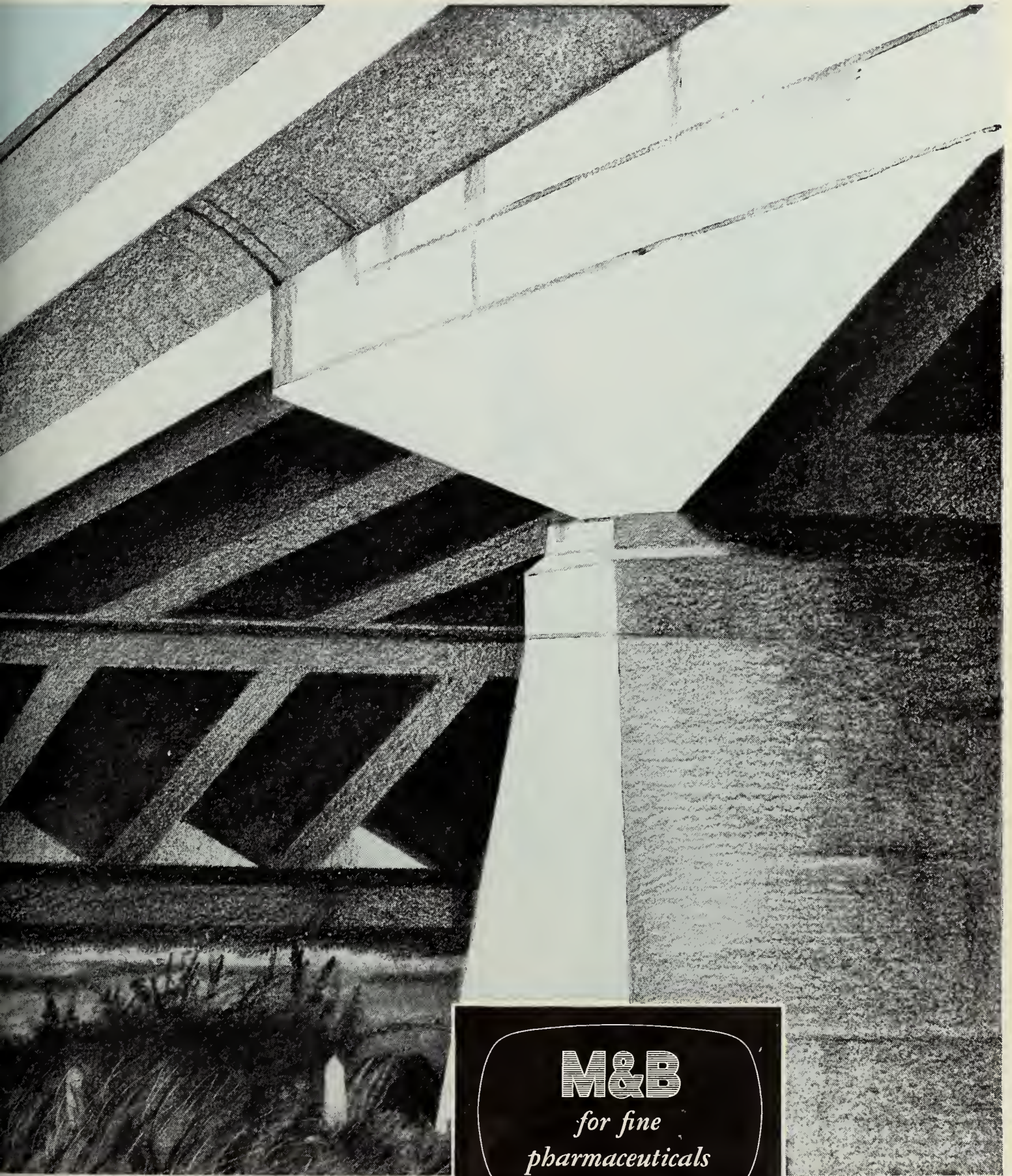
ACETARSOL · CALOMEL · CODEINE PHOSPHATE AND OTHER OPIATES
CAFFEINE ALKALOID AND SALTS · CARBARSONE · BARBITURATES
DEXAMPHETAMINE SULPHATE · BISMUTH SALTS · AMINOPHYLLINE
BROMIDES · SULPHONAMIDES · THEOBROMINE ALKALOID AND
PREPARATIONS

For the manufacture of PREPARATIONS FOR INJECTION

AMINOPHYLLINE · CAFFEINE AND SODIUM BENZOATE · MERSALYL
AMPHETAMINE SULPHATE · METHYLAMPHETAMINE HYDROCHLORIDE
BARBITURATES · BISMUTH OXYCHLORIDE · BISMUTH SALICYLATE
COCAINE SALTS · OPIATES

*We shall be pleased to
receive enquiries for these and any other M&B brand
pharmaceutical chemicals.*

MANUFACTURED BY MAY & BAKER LTD



M&B
*for fine
pharmaceuticals*

DAGENHAM · Tel: DOMinion 3060 · EXT. 317

Stratton

**jewelled sun glasses
set the pace
in style and sales
for 1959**



T.V. advertising introduces Stratton Jewelled Sun Glasses on the London, Midlands and Northern net-works in a ten weeks' campaign in **May, June and July**. 20 million viewers will see the commercials for Stratton Jewelled Sun Glasses. Jewelled frames, designed by Stratton, give these sun glasses a glamour that makes them a fashion accessory. They are so pretty women will wear them whenever they get the chance, sight-seeing and shopping, holidaying on the Riviera, at the beach and in the country. Stratton Sun Glasses will sell on sight, and set the pace for sales in 1959.

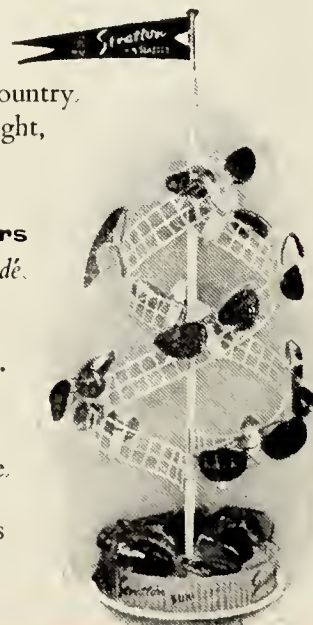
RHODOGLASS in 5 colours
Smoke, Green, Blue, Rose, and Degradé.

8 styles for women.

2 conservative styles for men.

Retailing at **8/6 to 15/6**

Each in transparent carrying sleeve. Rotatable stand (26" high with a 9" base, as shown) and display aids **FREE** with sun glasses.



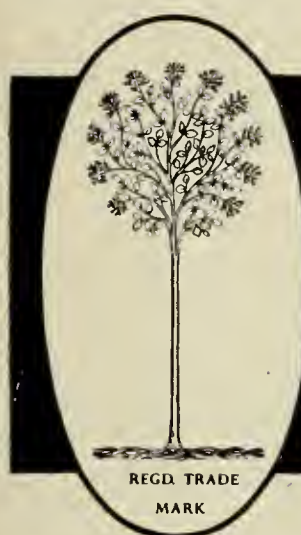
**ask for illustrated
brochure and order
your stocks and
counter dispenser
NOW from
your wholesaler**

Made in England by

LAUGHTON & SONS
Limited

WARSTOCK ROAD, BIRMINGHAM, 14

makers of the famous Stratton compacts



THE TREE OF LIFE, SYMBOL OF THE HIGHEST
QUALITY IN FINE CHEMICALS TODAY.

CARNEGIES

of WELWYN ESTABLISHED
1911

MANUFACTURERS AND WORLD SUPPLIERS OF ADRENALINE AND ITS HOMOLOGUES

For nearly half a century the name Carnegies has served as a standard in the fine chemical field for products of utmost purity and rigid adherence to pharmaceutical specification. Direct importation of raw materials, and the completion of every process under our own roof at Welwyn Garden City, enables us to compete successfully with world suppliers in any part of the globe. Yet we welcome and treat with equal importance the smaller orders too.

Enquiries are invited for:

ADRENALINE
ADRENACHROME
MONOSEMICARBAZONE
AMINOPHYLLINE
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Manufacturers of Fine Chemicals WELWYN GARDEN CITY · ENGLAND

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Double Beauty Hand Cream
advertisements will be seen —

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TIMES!

PLUS massive T.V. coverage now
EVERY WEEKNIGHT!
a total viewing of —

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SENSATIONAL NEW DISCOVERY!

**DOUBLE BEAUTY
FOR HANDS AND NAILS**



Wonderful News! Evan Williams and leading skin specialists have together developed a sensational new hand cream to protect and beautify your hands and nails as never before. Housework, harsh detergents and winter winds remove natural oils from your hands causing rough red skin and brittle nails. Evan Williams sensational new discovery contains special oils to replace those lost and to make your hands softer, whiter, lovelier, than ever before. After use there's none of the stickiness you get with ordinary creams — just satin smoothness and the beautiful fragrance of its exclusive French perfume.

Press your hands and nails to beauty with

Evan Williams
DOUBLE BEAUTY HAND CREAM

PLUS exceptional introductory offer to retail chemists!

* Ask our Representative for details of this big profit
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EVAN WILLIAMS CO., LTD., 79 BOND STREET W. I

IF YOU ARE LOOKING FOR A TABLET MANUFACTURER TO HANDLE YOUR PRODUCT BE IT LARGE OR SMALL, IN THOUSANDS OR MILLIONS, WHY NOT



CONTACT ONE OF THE FOREMOST MAKERS WHO HAVE TAKEN PRIDE IN

MANUFACTURING TABLETS & PILLS FOR MANY YEARS

RICHARD DANIEL & SON, LTD. DERBY

Write us at Mansfield Road or ring Derby 40671 (Ten lines)



The NEW Lastonet light-resistant stocking increases your profits!

P.T.S.

First in the field once again, with improvements in surgical stockings, Lastonet now introduce light-resistant rubber into their elastic net.

Because this largely prevents the deterioration caused to rubber by exposure to light, it enhances the efficiency and lengthens the life of Lastonet Elastic New Stockings.

With this added advantage, Lastonet Stockings will be even more widely prescribed on the NHS, and your profits must be increased.

No stock problems with Lastonet Stockings! No risk. Every stocking is individually made to the patient's measure. Quick delivery and an excellent profit margin are assured.

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ELASTIC NET STOCKINGS

Hylon or Cotton Send today for stocking measurement forms and display material.

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Remember . . .

'Remember'

Soon, there will be an unforgettable new perfume called REMEMBER.
Women will be enchanted with it! REMEMBER is for springtime;
the newest and loveliest perfume to be created by

Goya

Sanatogen**CHEMISTS' ASSISTANTS COMPETITION****Here are the 53 prize-winners!****1st PRIZE**

£100 goes to MRS. E. M. CHIMES

OF J. F. BUTLIN & SON, 110 KIRBY ROAD, LEICESTER

2nd PRIZE

£50 goes to MRS. E. EWEN

OF S. D. EWEN, 97 VICTORIA ROAD, DUNDEE

3rd PRIZE

£25 goes to MISS K. WILLIAMS

OF L. E. OLSEN, 8 THE OVAL, BELMONT ROAD, HEREFORD

£5 consolation prizes**GO TO THESE 50 RUNNERS-UP!**

MISS AICKEN, BELFAST
 MISS AIMES, LONDON
 MRS. BAMFORD, ROCHDALE
 MR. BATEY, NEWCASTLE ON TYNE
 MISS BIRSE, HAMPSTEAD
 MR. BRASSINGTON, NOTTINGHAM
 MISS BROOKES, LANCASTER
 MRS. BROWN, WINDLESHAM
 MISS CAUGE, WIDNES
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 MRS. CRUMLISH, BAILLIESTON
 MISS DAVEY, MIDDLESBROUGH
 MRS. FRASER, PEMBROKE DOCK
 MR. FRASER-BETTS, SOUTHWICK
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 MRS. GRASSAM, PINNER
 MISS GREEN, WREXHAM
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 MR. VANAREY, HARLOW
 MISS WALKER, DUNKELD
 MISS WATSON, DARLINGTON
 MISS WATTIE, ALBRIGHTON
 MISS WOOD, BRIDGNORTH
 MISS WOODVINE, NEWCASTLE
 MRS. WOOLRICH, BROMBOROUGH

Here are the **CORRECT** answers to the **Sanatogen** contest!

Here are the ten questions used in the 'Sanatogen' competition with their alternative answers. The answers, chosen by a team of experts, are set in bold type.

1 I know 'Sanatogen' is a good tonic, but isn't it expensive?

- a A small jar of 'Sanatogen' costs no more than 40 cigarettes.
- b 'Sanatogen' is not expensive at all when you consider the marked improvement in your health which follows.
- c Not if you regard a course of 'Sanatogen' as a real investment in your health.

2 Is 'Sanatogen' difficult to take?

- a No, mixed with milk or water most people find 'Sanatogen' is readily acceptable.
- b No, a cup of 'Sanatogen' can be made easily and quickly, and can be flavoured with coffee or cocoa, or nearly anything that you fancy.
- c Made with hot milk and flavoured with sugar or a pinch of salt, 'Sanatogen' is a pleasant drink, especially at bedtime.

3 What's so special about the protein in 'Sanatogen'?

- a Some forms of protein are more easily digested than others. 'Sanatogen' is particularly easy to digest.
- b 'Sanatogen' is a first-class protein, specially combined with sodium glycerophosphate to have a tonic effect.
- c It is highly utilised by the body, which means you obtain maximum benefit.

4 What do doctors think about 'Sanatogen'?

- a 'Sanatogen' has been recommended by more than 25,000 doctors.
- b 'Sanatogen' is used in hospitals all over the world.
- c Many doctors use 'Sanatogen' themselves.

5 Why is 'Sanatogen' so often recommended for expectant and nursing mothers?

- a 'Sanatogen' supplies the extra protein these people must have.
- b 'Sanatogen' helps to combat stress conditions which are usually unavoidable during the nursing period.
- c 'Sanatogen' is well known for its general strengthening and body-building properties.

6 Why is 'Sanatogen' not generally available on the National Health Service?

- a 'Sanatogen' consists entirely of nutritional substances and is, therefore, regarded as a food and not a medicine.
- b Although having valuable restorative properties, especially when run down or nervy, 'Sanatogen' is not a drug.
- c 'Sanatogen' is classed as a food because it can often be taken with advantage to supplement the normal diet.

7 How does 'Sanatogen' help to reduce weight?

- a 'Sanatogen' feeds extra protein which helps to burn up excess fat.
- b 'Sanatogen' provides nourishment without supplying extra fat.
- c 'Sanatogen' is free from both fat and carbohydrate.

8 Why is 'Sanatogen' so often recommended for 'nerves'?

- a Because 'nerves' result from physical or emotional strain and 'Sanatogen' helps to deal with both.
- b Because generations of users and doctors have found 'Sanatogen' successful in overcoming 'nerves'.
- c When people are nervy they tend to absorb less nourishment from their food. 'Sanatogen' provides concentrated nourishment which is easily absorbed.

9 Why is 'Sanatogen' so good for convalescents?

- a 'Sanatogen' is easily digested and absorbed.
- b 'Sanatogen' promotes appetite and builds up the run-down person.
- c 'Sanatogen' helps to overcome the nervous tension which so often accompanies convalescence.

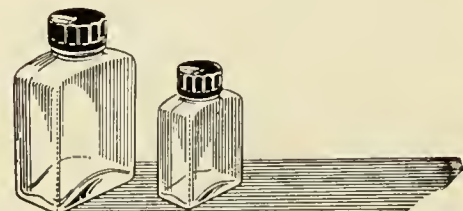
10 What is 'Sanatogen'?

- a A combination of milk protein and sodium glycerophosphate made by a unique and complicated process.
- b A tonic which supplies essential nutrients such as protein and phosphorus in an easily digested form.
- c A nerve tonic which is as natural in its action as sunshine.

No completely correct answers were received, but each of the winners answered eight questions correctly. The summary of knowledge of 'Sanatogen' was taken into consideration in making the final assessment.

Pack to Attract

The discerning Pharmacist demands a container which combines attractive appearance with sound functional design. Beatson Bottles are produced especially to satisfy both these requirements—they look well, store well, handle well, pour well—Beatson Medicals. Panels. Ribbed Ovals, Emulsions, Tablets, Olive Oils, Poisons, Winchesters and, in fact, every bottle used in Pharmacy is the better for being “BEATSON”



...in Beatson bottles



BEATSON CLARK & CO., LTD.

GLASS BOTTLE MANUFACTURERS

ROTHERHAM

Established 1751

YORKS.

“The Sign of a



Good Bottle”

The *Mix-a-Shake* season opens with a bonus

of up to 10%

On all orders received before 30th April the following *extra* stocking-up bonuses are offered to retailers: 1 x 12-dozen cases, or 2 x 6-dozen cases—normal retail terms 20% *plus additional* 5%

2-5 x 12-dozen cases, or 4-10 x 6-dozen cases—normal retail terms 20% and 5% *plus additional* 7½%

6 and over x 12-dozen cases, or 12 and over x 6-dozen cases—normal retail terms 20% and 10% *plus additional* 10%



DISPLAY

makes the most of your bonus

A recent survey of *Mix-a-Shake* users showed that nearly HALF of them saw it for the first time IN THE SHOP! So display and increase your sales.

A big television campaign for *Mix-a-Shake* begins in mid-April. Make certain you have the STOCKS and the DISPLAY to tie-in with the advertising.

STRAWBERRY
PINEAPPLE
BANANA

Mix-a-Shake

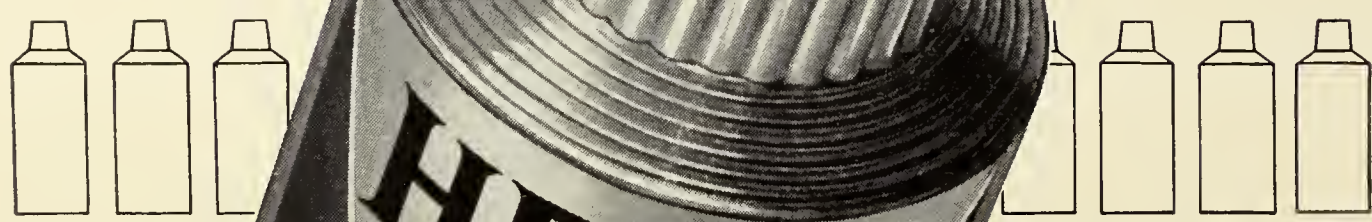
Available in cases of 6 or 12 dozen packets selling at 6d. per 1-oz packet— one flavour only per case.

Ask your wholesaler for *Mix-a-Shake* with the new stocking-up Bonus Offer, or write direct to:—

HORLICKS LIMITED, SLOUGH, BUCKS. Tel. No.: Slough 22322

WELLCOME INSTITUTION
LIBRARY

Coll.	WeiM0mec
Coll.	
No.	



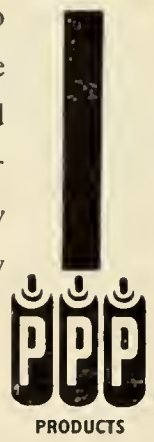
**A NEW BIG NAME
IN AEROSOLS**



**BACKED BY A
T.V. AND
NATIONAL PRESS
ADVERTISING
CAMPAIGN TO
MAKE SELLING EASY**

See the Conquering Hero comes! This great new line in aerosols is going to mean big business for you. To start the range rolling there's an Air Freshener and an Insecticide at 4/6d., an Oven Cleaner and a Spot Remover at 5/-. More to follow as Hero grows in popularity, backed by heavy advertising.

PROPRIETARY PRESSURE PACKAGES LIMITED



Please send me details of the special introductory offer

Name

Address

Ludgate House, 2 Ludgate Hill, BIRMINGHAM 3
Telephone : CENTral 3053/4

The Better Proposition

FOR * **YOU**
* **YOUR**
CUSTOMER

Hair Magic "BROWNS"

Hair Magic semi-permanent Browns cover up to 50% of greying hair in one simple operation, with flattering Brown, Ashen Brown and Chestnut Brown

Hair Magic is best for you too, bringing in 80% profit on every bottle you sell.

and here's how

CHEMIST'S PRICE 1/8 PER BOTTLE PLUS 60% P.T.

RETAIL PRICE INC. P.T. 4/- PER BOTTLE

CHEMIST'S PROFIT 1/4 PER BOTTLE ... OR 80% PROFIT

and remember

all the other Hair Magic shades give you the same profit.

CFH/1NS8/17



THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 171

March 14, 1959

No. 4125

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PUBLISHED BY
MORGAN BROTHERS (PUBLISHERS), LTD.,
at 28 Essex Street, Strand, London, W.C.2

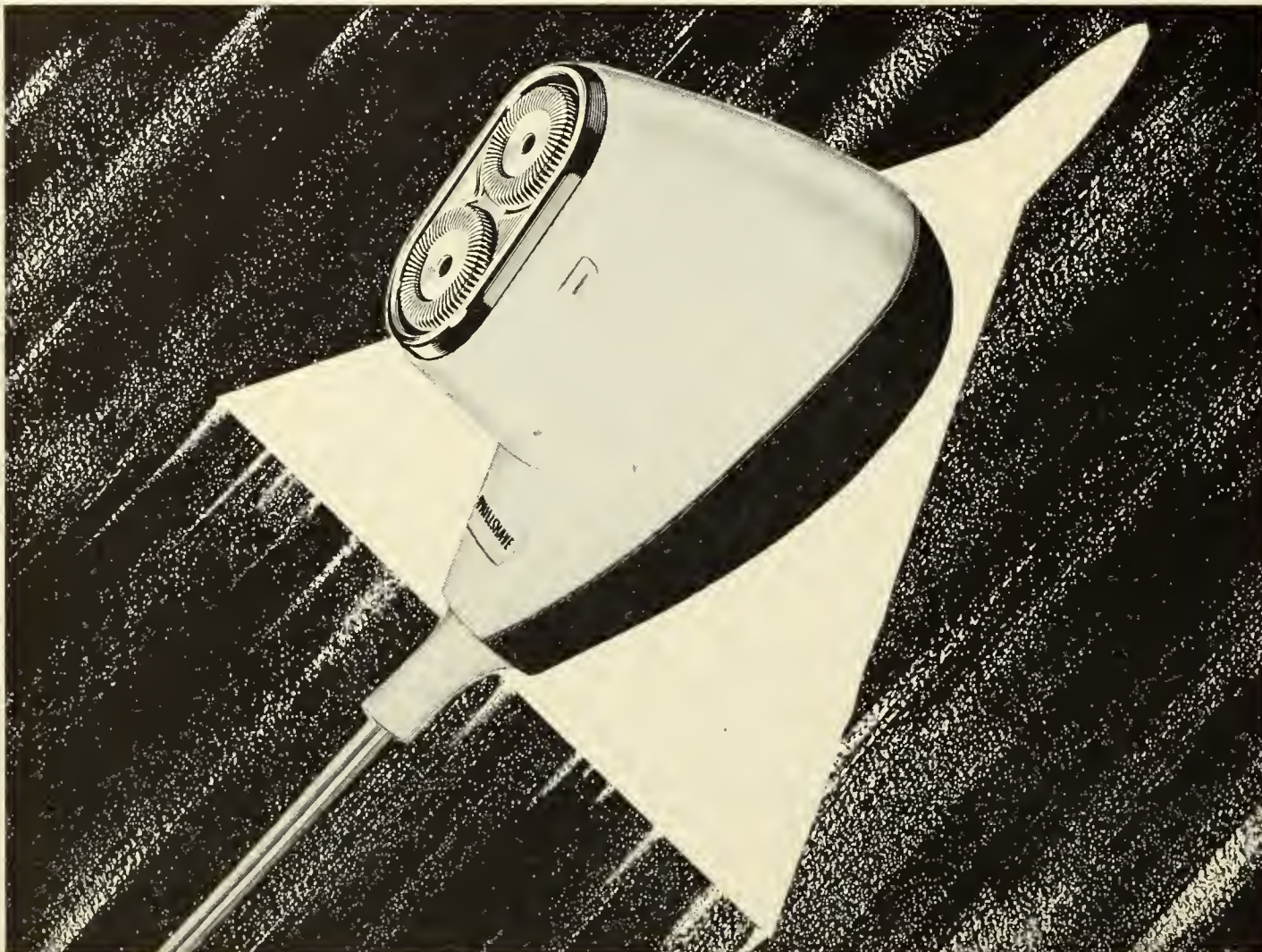
Telephone: Central 6565

Telegrams: Chemicus, Estrand, London

WOLVERHAMPTON: 89 Woodland Avenue, Tettenhall Wood.
GLASGOW: 160 Nether Auldhouse Road, S.3. Phone: Langside 2679.
LEEDS, 16: 32 Wynnford Rise, West Park. Phone: Leeds 67 8438.

ANNUAL SUBSCRIPTION

which includes The Chemist and Druggist Diary and Year Book, £2 10s. Single copies one shilling each.



Your shaver sales can *Zoom*
to a new high—with the 'Philishave' Jet

It's the jet age right enough – the 'Philishave' Jet age!
For this new version of the world's top-selling dry
shaver has the finest shaving technique Man
has ever known. It shaves faster. It shaves closer.
It shaves more easily and comfortably in every way.
In fact, it's got everything – including mammoth
advertising. Yes, you're certainly on to a good
thing with the 'Philishave' Jet!

The 'Philishave' Jet incorporates :

- * 40% increase in shaving area. Improved motor performance. Very quiet motor. Unique new design for even closer shaving. Larger hair-chamber for shaved bristles.
- * New instant 'Press . . . Blow' Cleaning. New two-tone styling. Dual-voltage: AC/DC 110-130v. and 200-250v.

£8.15.0 (tax paid)

The other 'Philishave' models: Standard-volt £6.16.0 (tax paid).
Battery model £7.11.3 (tax paid).

PHILIPS
PHILISHAVE *Jet*

A PRODUCT OF  PHILIPS ELECTRICAL LTD

(PS974A)

The CHEMIST AND DRUGGIST

Volume 171

MARCH 14, 1959

No. 4125

British Approved Names SUPPLEMENTARY LIST ISSUED

THE British Pharmacopœia Commission has issued the following supplementary list of approved names:—

APPROVED NAME	OTHER NAMES
Azapetine	1 - Allyl - 2:7 - dihydro - 3:4-5:6-dibenzazepine.
Calcium benzamido-salicylate	Ilidar is the phosphate. Calcium 4-benzamido - 2 - hydroxybenzoate. Aminacyl B-PAS; Therapas.
Dexamethasone	9 α - Fluoro - 11 β :17 α :21 - trihydroxy - 16 α - methylpregna - 1:4 - diene - 3:20-dione. 9 α - Fluoro - 16 α - methylprednisolone. Decadron; Deronil; Dexamcortisyl is the 21-acetate.
Dimenoxadole	2-Dimethylaminoethyl α - ethoxy - $\alpha\alpha$ - diphenylacetate.
Ditophal	Diethyl dithiolisophthalate. Etisul.
Fluopromazine	10 - (3 - Dimethylamino-propyl) - 2 - trifluoromethyl-phenothiazine. Vespral is the hydrochloride; Vesprin is the hydrochloride.
Hydrochlorothiazide	6 - Chloro - 3:4 - dihydro - 7 - sulphamoylbenzo - 1:2:4 - thiadiazine 1:1 - dioxide. Esidrex; Hydro-Saluric.
Hydroflumethiazide	3:4 - Dihydro - 7 - sulphamoyl - 6 - trifluoromethylbenzo - 1:2:4 - thiadiazine 1:1-dioxide.
Mebhydrolin	Hydrenox; Naclex; Rontyl. 5 - Benzyl - 1:2:3:4 - tetrahydro - 2 - methylpyrid-[4,3- <i>b</i>]indole. Incidal is the naphthalene-1:5-disulphonate.
Methylchromone	3-Methylchromone. Crodimyl.
Norcodeine	<i>N</i> -demethyl codeine.
Normorphine	<i>N</i> -demethyl morphine.
Orphenadrine	2 - Dimethylaminoethyl 2 - methyl-diphenylmethyl ether. Disipal is the hydrochloride.
Phenmetrazine	Tetrahydro - 3 - methyl - 2 - phenyl - 1:4 - oxazine. Preludin.
Pipamazine	10 - [3 - (4 - Carbamoyl-piperidino)propyl] - 2 - chlorophenothiazine.
Prothipendyl	10 - (3 - Dimethylamino-propyl) - 9 - thia - 1:10 -

	diaza-anthracene. Phrenotropin is the hydrochloride.
Sulphasalazine	4 - Hydroxy - 4' - (pyrid - 2 - ylsulphamoyl)azobenzene-3-carboxylic acid. Salazopyrin.
Thiambutosine	<i>N</i> - <i>p</i> - butoxyphenyl - <i>N'</i> - <i>p</i> - dimethylaminophenylthiourea. Ciba 1906.
Thiotepa	Tri - 1 - aziridinylphosphine sulphide. Triethylene thiophosphoramide.

N.P.U. Election

BALLOT IN FOUR AREAS

A BALLOT is needed in four areas for the election of the executive of the National Pharmaceutical Union. The four areas are North-western Division 3, Western Division 1, Eastern Division 2, and Southern Division 3. Ballot papers, where necessary, are being issued on March 10, and are returnable by March 23. The following is a complete list of nominations. NORTH-WESTERN DIVISION 1 (no ballot), C. Orrell, Preston, Lancs; NORTH-WESTERN DIVISION 2 (no ballot), H. Steinman, Manchester, 4; NORTH-WESTERN DIVISION 3, E. J. Naylor, Warrington, Lancs, W. J.

Tristram, Liverpool, 1; NORTH-EASTERN DIVISION 1 (no ballot), G. H. M. Graham, Newcastle-upon-Tyne; NORTH-EASTERN DIVISION 2 (no ballot), T. Heseltine, Normanton, Yorks; NORTH-EASTERN DIVISION 3 (no ballot), E. A. BROCKLEHURST, Hull, Yorks; WESTERN DIVISION 1, G. H. Hughes, Colwyn Bay, Denbighs, H. O. Walters, Wellington, Shrops; WESTERN DIVISION 2 (no ballot), G. T. M. David, Swansea, Glam; WESTERN DIVISION 3 (no ballot), C. H. Smith, West Bromwich, Staffs; EASTERN DIVISION 1 (no ballot), P. D. J. Spaanderman, Huthwaite, Notts; EASTERN DIVISION 2, H. B. Coulson, Cambridge, K. Jenkins, Bovingdon, Herts; EASTERN DIVISION 3 (no ballot), S. J. Stearn, Ipswich, Suffolk; SOUTHERN DIVISION 1 (no ballot), A. Howells, Barnehurst, Bexleyheath, Kent; SOUTHERN DIVISION 2 (no ballot), W. T. Rees, Cheltenham, Glos; SOUTHERN DIVISION 3, J. O. Bond, Somerton, Somerset, T. C. N. Booth, Excter, Devon; METROPOLITAN DIVISION (no ballot), A. Aldington, London, N.15, H. G. Moss, Feltham, Middlesex, A. R. Valentine, Northwood, Middlesex.

Shop Advertisements

MINISTER SAYS "CLUTTER MUST GO"

MR. Henry Brooke (Minister of Housing and Local Government) told the Electrical Sign Manufacturers' Association at a luncheon in London on March 9, that the country had to get rid of the "clutter" of advertisements on shops and elsewhere. The Outdoor Advertising Industry Advisory Committee was engaged, he said, in drawing up a code which he hoped would be effective



LABORATORY VISIT: The registrar of the Pharmaceutical Society (Mr. F. W. Adams) photographed during a recent visit to the laboratories of Parke, Davis & Co., Ltd., at Hounslow. He is seen examining a capsule-banding machine.

to deal with that problem (see *C. & D.*, October 25, 1958, p. 439). "We have got to get rid of clutter," said Mr. Brooke. "It is bad in the eyes of everyone who cares about the appearance of our country. It is bad advertising, too. It is undistinguished—except by its badness—and surely the essence of good advertising is that it should be distinctive. I greatly hope that the committee's efforts will succeed. I would far rather clutter was stopped and removed by voluntary action. I believe we could achieve success faster that way, if everyone seriously tried. I want no one to be in any doubt that by one method or another I intend to get rid of clutter, for I am sure it does no good to anyone. If a code which is going to be really effective cannot be arrived at by agreement, then some other method will be necessary. But I must say that I shall feel it will be a failure on the part of the advertising industry if it cannot clear up this mess itself." Mr. Brooke said that he was thinking of making two changes soon in the advertisement regulations. The present regulations relating to areas of special control were too inflexible. "I think everyone agrees that there should be special control on advertising in the open countryside, and also in what historically and architecturally are the most distinguished parts of towns. But the special control must not be so restrictive that nothing at all can ever be allowed. That is what I want to achieve by my first change. The second change is that I intend to simplify and lubricate the machinery of advertisement control."

Radio-iodine in Thyroid

A METHOD OF DETERMINATION

A METHOD of estimating radio-iodine in samples of thyroid gland is described in a booklet issued by the United Kingdom Atomic Energy Authority ("Determination of ¹³¹Iodine in Thyroid Glands," IGO-AM/W-114, H.M. Stationery Office, price 1s. 6d.). Sodium iodide carrier solution is added to the sample (one sheep gland or twelve rabbit glands) and fused with sodium hydroxide. A further fusion with potassium nitrate removes organic matter and the residue is dissolved in water. Sodium nitrite and nitric acid are added to release the iodine which is extracted with carbon tetrachloride. The iodine is converted to iodide and extracted into the aqueous phase after addition of sulphurous acid. Nitric acid is used to remove excess sulphur dioxide, followed by the addition of silver nitrate to convert all the iodide into precipitated silver iodide. Using a stainless steel counting tray the slurried precipitate is dried and weighed. The β activity is noted using a standard counter and corrected for chemical yield; the activity is calculated by comparison with a standard ¹³¹iodine.

Mayer Fellowships

FOR RESEARCH AND RESEARCH TRAINING

THE Food and Agriculture Organisation of the United Nations is offering ten or twelve André Mayer Fellowships in 1959. The awards are to be made under the following two groups:—*Research* (for unusually promising per-

sons with research experience behind them who would offer a guarantee for the carrying out of independent research work); *Research training* (for younger and promising individuals who have demonstrated an inclination towards, and an aptitude for, research work). Due consideration is to be given to geographical distribution, to ensure that a proportion of the awards is given to candidates from countries where research facilities are not highly developed and the need for trained research workers is great. The subjects presented must be in relation to F.A.O.'s activities which comprise: Land and water development, plant production and protection, animal production and health, rural institutions and services, fisheries, forestry and forest products, nutrition (non-medical), atomic energy in food and agriculture, agricultural economics (commodities, statistics, economic analysis). Further information is available from the secretariat of the F.A.O. National Committee for the United Kingdom, Ministry of Agriculture, Fisheries and Food, Whitehall Place (East Block), London, S.W.1.

Radioactive Isotopes

MARKETING REORGANISED

TO meet the increasing demand for radioactive isotopes and to continue to improve their services to users throughout the world, the United Kingdom Atomic Energy Authority are reorganising the isotopes production and marketing which has hitherto been shared between the Radiochemical Centre, Amersham, and the Isotope Division of the Atomic Energy Research Establishment, Harwell. The scope of the Radiochemical Centre is being widened to form a single comprehensive organisation for producing and marketing all such isotopes. The Radiochemical Centre is to have irradiation facilities at Harwell and at other Authority sites. Dr. W. P. Grove is appointed director of the reorganised Radiochemical Centre. The reorganisation is already effective, but users of radioisotopes should continue, temporarily, to order their requirements from Amersham or Harwell as they have done in the past. Research into the properties of isotopes and new applications of them and their radiations is to be continued by an isotope research division at Harwell and at the Wantage Radiation Laboratories.

Technology Courses

POLYMERISATION, PLASTICS AND RUBBER

THREE separate, ten-day, residential courses of lectures to be held in July, are being arranged by the National College of Rubber Technology, Holloway Road, London, N.7. The three courses, which include some practical work, are on: "Fundamentals of Polymerisation Processes"; "Basic Rubber Technology for Sales, Buying, Costing and Planning Staff"; and "Basic Plastics Processing." The first two courses are being held from July 6 to 15, and the third from July 15 to 24. Fee for each course, including residence (at the National College Hall of Residence) is £23 2s. for United Kingdom students and £31 10s. for overseas students.

IRISH NEWS

THE REPUBLIC

Pharmacy Owner Fined

POISONS ACT OFFENCES

IN Dublin district court, on March 5, Mrs. Kathleen Gallagher, 2 North Strand, Dublin, was fined £5 for permitting the making-up of a prescription by an unqualified person at her premises on August 22, 1958. She was also fined £1 for selling Alophen pills (containing strychnine) contrary to Section 2 of the Sale of Poisons Act. The district justice allowed a total of £4 4s. costs and the defendant was ordered to pay 18s. expenses. Mrs. Gallagher was given two months in which to pay. An inspector of the Pharmaceutical Society of Ireland gave evidence of having presented a prescription to the man in charge of the shop. The man, having taken it and read it, inquired where witness lived. On being told, he said he would make up the prescription. He asked if the inspector would wait or come back, and was told "I will wait." The man then made up the prescription and witness paid for it, afterwards asking for some Alophen pills, which he was given. The inspector identified the prescription and the tablets in court. Witness said he then asked the man his name and was told it was Peter McCullagh. When asked if he were qualified to make up the prescription the man replied "I am," but after further questioning revealed that he was not qualified. Mr. James G. Coleman (registrar, Pharmaceutical Society of Ireland) gave evidence that Mr. McCullagh was not on any of the Society's registers, and in replying to Mrs. Gallagher's solicitor, that Miss Josephine Hickey was a registered pharmacist. The solicitor for the defendant, admitting that Mrs. Gallagher was not a qualified chemist, said that under the Act she was entitled, as an executor, administrator or trustee of the estate of a deceased pharmaceutical chemist, to keep the shop open provided she had a qualified chemist in charge. Mr. J. J. Gaynor (the Society's solicitor) stressed that the whole point of the Acts was to protect the public. Nobody but a *bona fide* chemist was entitled to make up prescriptions or sell poisons—otherwise the position would be open to great abuse. Mrs. Gallagher said in evidence that she was an executor of her late husband. She was not a chemist, but she employed Miss Josephine Hickey, who was. She had a son who was a doctor and who intended to take out the pharmacy examination in July in order to carry on the business. She had never been in trouble before and had always conducted the business properly. The cause of the trouble on that occasion was that her qualified assistant was out at the time the inspector called. THE JUSTICE: "Isn't that the very point? A qualified assistant must not be out." Replying to Mr. Gaynor, witness admitted that she had been warned previously about not having a qualified assistant. Mr. Gaynor said it was idle to pretend that the transaction was an isolated instance. The serious aspect was that the prescription had been

compounded by a person with no qualifications whatever, and that he was also prepared to sell poison.

Calendar of Society

MORE MEMBERS ON REGISTER

THE recently issued Calendar for 1959 of the Pharmaceutical Society of Ireland (corrected to December 1, 1958), shows that there have been thirty-six preliminary registrations and forty Assistants' preliminary registrations since December 1, 1957. For the same period there were 114 additions to the Register of Pharmaceutical Chemists (ninety-nine by examination, and fifteen licentiate apothecaries); the names of fifteen deceased pharmacists were removed, making the total number of licentiates 2,495 (compared with 2,380 for the previous year). Of those, 1,167 are members of the Society, compared with 1,129 in 1958. Dispensing chemists and druggists (at forty-seven) show a decrease of one; there are two less registered druggists, but seventeen more assistants to pharmaceutical chemists (1,656). Council members whose term of office expires in October are Miss Laura Cunniffe and Messrs. K. A. Banks, D. J. Kennelly, M. Power, G. C. O'Neill, M. L. Cashman and P. Fullam. The Calendar contains copies of the syllabuses for the various courses. Copies may be obtained from the Society's offices, Shrewsbury Road, Dublin (price 3s. 6d.). Copies of the Registers are also on sale (price 5s.).

NEWS IN BRIEF

A PARKING ban in High Street, Stourbridge, Worcs, has led to local shopkeepers losing "up to 50 per cent." of their business, Stourbridge town council was told recently.

THE Ministry of Agriculture, Fisheries and Food, has published revised recommendations for the safe use of Phosdrin (2-methoxycarbonyl-1-methylvinyl dimethyl phosphate) for agricultural and horticultural purposes.

INFLUENZA deaths in the week ended February 28 totalled 1,571 compared with 1,121 the previous week, and deaths from pneumonia also increased to 2,121 compared with 1,951 the previous week. Deaths from bronchitis were lower at 1,810 (1,909).

A NEW pharmacy, costing £15,000, may be built at the Kent and Canterbury Hospital some time during 1959-60. It is one of the major schemes allowed by the secretary of the Regional Hospital Board, to be included in next year's building programme.

AMONG motions to be discussed at the annual delegate meeting of the Union of Shop, Distributive and Allied Workers, at Scarborough, March 29-31, are two, urging that mobile shops should be brought within the provisions of the Shops Act.

THE Association of Anaesthetists of Great Britain and Ireland, 47 Lincoln's Inn Fields, London, W.C.2, is appealing for funds to enable it to maintain the high British standard in the practical use of anaesthetics and to provide grants for research fellowships as well as student fellowships for overseas doctors.

TOPICAL REFLECTIONS

By Xrayser

Gentle Spring

Signs are not wanting that the winter of our discontent is passing. There is evidence in nature of a reawakening, and any morning now we may expect to read in the daily Press that the cuckoo has broken all previous records, having become audible to "Ornithologist" of Surbiton three days earlier than ever before. One likes to believe that stirrings of that order, and not merely a prosaic scheme dictated by the calendar, have inspired the editorial staff of THE CHEMIST AND DRUGGIST in the production of their annual photographic issue, with its extremely helpful information. The pages of negatives illustrating the many traps for the unwary are most valuable, though perhaps necessarily incomplete. For not all cameras are modern, and each year the prospect of better weather results in the reappearance of humble box cameras of uncertain age and performance, the owners of which credit the lenses with such outstanding qualities that the manufacturers, could they hear their eulogies, might think that a grave error had taken place at the assembly bench. One such camera, held together by adhesive tape, came my way the other day. As a safety measure, designed to overcome the hazards of accidental moving of the shutter, it had a circular disc (attached by a chord) which fitted into the orifice in front of the lens—for the purpose, a thoughtful and simple device. But there is still the possibility of gigantic and catastrophic error, for it is beyond the powers of the manufacturers to devise a means of ensuring that the over-eager photographer will remember to remove the disc before taking the family group. Yet one has seen, from the cheapest and simplest of box cameras, a rare gem which any expert would give anything to have taken. Happy accidents of that description are seen only at long intervals, and on such occasions it is sometimes difficult to convince the snapshotter of the quality of his picture. In the splendour of new, precision-built scientific instruments such as are on the market today, one must still reckon with the unpretentious "box."

Attractive New Models

Despite the affection shown by the users for the older and cheaper cameras, the range of modern, medium-priced models illustrated last week will encourage the retailer to hope that, by an early and attractive display, he can shake the loyalty of that most conservative group before they have got the length of removing the dust from the 1925 model. In addition to the attractive appearance and the portability of the modern instrument, there is the magic word "colour," which is often the deciding factor in tipping the balance. Little could Fox-Talbot have foreseen, when he carried out his early photographic experiments in the lovely surroundings of Lacock Abbey, that the camera would become as ubiquitous as the antimacassar, the china dog or the sampler of his own day. The eager and resourceful men who built on the original work of Talbot, and brought the art within the reach of all, have brought a lot of happiness to the world, making it possible for those of us who have not the gift of brush or pencil to capture, fleetingly, the creative feeling of the artist.

Spring Flowers

Among the early spring blooms, there are few more attractive to eye or nose than *Daphne mezereum*, which appears to have had a particularly good season. The plant, like most others, at one time was reputed to have medicinal qualities. Dr. Withering, whose name is closely linked with digitalis—so closely, indeed, as to cause people to forget that he had other interests in life than foxglove—is recorded as having used the root in the treatment of a woman who suffered from a paralytic affection of the throat, which for three years had prevented her from swallowing solids. Chewing of the root produced "considerable and long-continued heat and irritation," and after a month of chewing thin slices "as often as she could bear it" she recovered the power of swallowing. The old herbals say that it must be given with great caution, and only to those who have a strong constitution. Despite the recommendation, daphne remains an ornamental shrub.

INSTRUMENTS AND APPARATUS

Microscopes. — W. R. Prior & Co., Ltd., London Road, Bishops Stortford, Herts, offer a range of bench microscopes and other accessories for microscopy.

Laboratory Ovens and Heaters. — Laboratory Thermal Equipment, Ltd., Greenfield, nr. Oldham, are makers of thermostatic baths for laboratory use in serological practice; humidity and refrigerated humidity cabinets; water-jacketed and anhydric incubators; hot-air ovens, etc., in great variety. A water-bath unit, available in assemblies of three, four or six, permits individual control of temperature in each bath, a single constant head feeder maintaining the water level.

Open-neck Reaction Vessels. — Quick-fit & Quartz, Ltd., Stone, Staffs, have published a catalogue supplement dealing with open-neck reaction vessels. It lists additions to the range of standard parts (including flasks and lids with flat-flange connections and an improved stirrer design) providing reaction vessels from experimental to small production size, and gives details of flasks from 700-mil to 20-litre capacity. An advantage of the new design is that the flask can be detached from its lid even when a reaction has been conducted at a high temperature with resinous material, or under other conditions in which larger conical glass joints tend to "seize."

Personal Loan Service. — Research workers relying on academic or industrial grants often find it difficult to raise funds for adequate instruments for their work. The difficulty is increased because some of the equipment they may require is needed for limited periods only. Elga Products, Ltd., Railway Place, London, S.W.19, have inaugurated a personal loan service to lighten that burden. Under the service the Elgastat laboratory deioniser is available on loan for twelve months at a cost of £12 12s., including a liberal supply of ion-exchange resins. The service is being kept personal to individual research workers in Great Britain and does not apply to corporate bodies or institutions.

Laboratory Shaker. — Apex Construction, Ltd., 15 Soho Square, London, W.1, have made available a laboratory shaker designed to give a rotary shaking action to flasks mounted upon it. The model 223A takes forty-nine 250-c.c. flasks, which are mounted in a wooden board, the flasks being held by rubber and aluminium discs secured by wing nuts. The board rests on four steel balls which themselves rest in concave housings on the tubular floor stand. The board is held in position by springs at each corner, and each spring is held by two small pulleys, one of which is attached to the board and the other to the floor stand. The shaker is driven by a $\frac{1}{4}$ -horse power motor and gear box, with final Vee-belt drive to a pulley mounted centrally on the stand. The final speed obtainable on the pulley is 100 or 160 revolutions per minute. Change of speed is effected by change of motor pulley.

TRADE NOTES

Counter Unit Free. — Kemsales, Ltd., Eastcheap, London, E.C.3, offer a free counter unit supplied with an order for 1 doz. Besorbon medicinal snuff.

Fine Chemicals Now Available. — Evans Medical Supplies, Ltd., Speke, Liverpool, 24, have added to their range of fine chemicals aluminium hydroxide powder, B.P., and ferrous fumarate.

To Mental Hospitals Only. — Geigy Pharmaceutical Co., Ltd., Roundthorn Estate, Wythenshawe, Manchester, 23, point out that their thymoleptic speciality Tofranil is available only to mental hospitals and psychiatric units.

Shampoo in Tub. — Stewart, Goodall & Dunlop, Ltd., 121A Princes Street, Edinburgh, are now marketing their Nucta egg and lemon shampoo (like their Nucta cream shampoo with lanolin) in a plastic tub.

Distribution Restricted. — Ward, Blenkinsop and Co., Ltd., 37 Queen Square, London, W.C.2, point out that in addition to their "ethical" lines being supplied only through professional channels, it is their intention to distribute their counter lines (the first of which is Gon tablets) in the same way.

Pack Sizes. — West Pharmaceutical Co., Ltd., 9 Palmeira Mansions, Church Road, Hove, 3, Sussex, point out that their Parabal tablets are issued in containers of 100 and 500 tablets and not as stated in a paragraph in this section last week. Sizes and prices were correctly given in the *C. & D.* weekly list of prices.

Range Reduced. — The Distillers Co. (Biochemicals), Ltd., Speke, Liverpool, 19, announce that certain packs of their animal feed supplements (the Distafeed penicillin, riboflavin nos. 1 and 2, and vitamin B₁₂ supplements, all in 1-lb. containers) are being withdrawn. Orders are being executed until stocks are exhausted. The 10-lb. and 50-lb. packs continue to be available as previously.

Competition Prize-winners. — In a 1958 Ekco "picture baby" competition organised by Ekco Plastics, Ltd., Southend-on-Sea, Essex, first prize went to Mrs. I. R. Mustoe, Hastings; second

prize to Mrs. R. N. Newman, Coventry, Warwicks; and third prize to Mrs. J. Fewtrell, Great Malvern, Worcs (supplier: Boots, Ltd., Great Malvern). The prizes were awarded for photographs of babies under two years old considered in the opinion of the judges to conform most closely to a "picture of health and happiness." The successful competitors received cash prizes of £100, £50 and £25 respectively. There are also prizes for the retailers who supplied the Ekco nurseryware.

Oxygen Equipment. — The Walter Kidde Co., Ltd., Belvue Road, Northolt, Middlesex, are makers of the Kidde type-HS oxygen set which is available for purchase (it was developed specially for the National Health Service). The set, designed for use with standard medical oxygen cylinders fitted with bull-nosed valves, is easily assembled without spanners. Supplied in a strong box with two disposable masks, it is robust and simple to operate.

Exhibitors. — At the *Daily Mail* Ideal Home Exhibition, Olympia, London, W.14, NEW HYGIENE, LTD., 266 Holloway Road, London, N.7, are introducing an addition to their Scentinel range of air fresheners, the Quiffette. In polythene squeeze bottle, the Quiffette is available in "Old England" and "Perfection" fragrances. Emphasis on the stand of MAX FACTOR HOLLYWOOD AND LONDON (SALES), LTD., 16 Old Bond Street, London, W.1, is the golden jubilee this year of the foundation of the business. Perhaps the most impressive of the exhibits of Messrs. Max Factor's is entitled the "Golden Court of Beauty." A competition is being held (with heats each evening) to find the "Max Factor 1959 Ideal Girl." There is a choice of two prizes for the winner: a model course or a charm course plus, in each case £50. A section of the exhibition is given over to "fashion and beauty" and a number of cosmetic and toiletries manufacturers showed products. Also at the exhibition is the British Government Pavilion ("adjusted" to Olympia) from the Brussels International Exhibition containing inter alia the halls of technology and invention.

REDESIGNED: The Seeto continuous-action hand sprayer in its new colourful design (price unchanged). Makers are Cupal, Ltd., Blackburn, Lancs.

IMPROVED PACKAGE: Kimberly-Clark, Ltd., Larkfield, Maidstone, Kent, have modernised the backs of their Kleenex packs by including new illustrations as shown. The drawings illustrate various uses of Kleenex tissues and are "contemporary" in style. The blue front panels are taken over the ends of the pack to form a "quartered" effect at back and front of box.



Laboratory Glassware Sets. — Quickfit & Quartz, Ltd., Stone, Staffs, are marketing a new series of glassware "assemblage sets." The sets range from gm. to kilo. size and from the simplest set of five parts for use in schools to the comprehensive assemblage suitable for complicated research work. Polystyrene trays, vacuum-formed to take all parts in each assemblage, ensure the use of the minimum possible space. The trays are of sandwich construction so that the laboratory glassware is totally enclosed by two sheets of the protective plastic and have been designed so that they fit into any standard laboratory-bench drawer or cupboard. Alternatively, they may be kept in the original box in which they are dispatched by the manufacturer and for storage purposes may conveniently be piled one above the other. The fitted trays make it possible quickly to note any broken or missing components and, since each component has its reference number moulded into the plastic tray, replacement is easy. Three sizes of assemblage are available: 30 BU (up to 2-litres nominal capacity; the complete assemblage is made up of four sets which may be bought separately); 23 BU (50-mils capacity; three sets); 10 BU (up to 25-mils capacity; in addition to the full assemblage, five smaller sets are available). The cost of each assemblage is about 10 per cent. lower than the total cost of the individual items in the set. Messrs. Quickfit & Quartz have published a new 72-p. catalogue on the assemblages.

Bonus Offers

CROOKES LABORATORIES, LTD., Park Royal, London, N.W.10. Anabalm, Collozets, Karvol, Pectobalm and Crookes halibut oil capsules (standard parcel). Bonus terms end March 31.

DALMAS, LTD., Junior Street, Leicester. Dalmas first-aid dressings and plasters. Extra 5 per cent. on order value £3 or over in return for counter of window display using company's specially produced display aids. Additional quantity discounts of 3½ per cent. for order value £3-6; 5 per cent. on order £6-15; 7½ per cent. on order value £15 and over (all taken in one delivery). Until May 31.

Calls for Tenders

THE Board of Trade has issued details concerning tenders sought by various overseas bodies, and an outline is given below of the requirements and closing dates. For fuller information readers should apply, quoting reference, to Export Services Branch, Lacon House, London, W.C.1.

Surgical goods and dressings (annual contract). The Chairman of the Tender Board, Cape Provincial Administration, Cape Town. (E.S.B. 4535/59 and 4538/59. March 17.)

Sterile solutions. The Secretary, Federal Tender Board, P.O. Box 8075, Causeway, Salisbury, S. Rhodesia. (E.S.B. 5513/59 and 5517/59. March 20.)

Isoniazid tablets, dihydrostreptomycin sulphate, streptomycin sulphate, and PAS tablets. Central Purchasing Authority, P.O. Box H-5, Saigon, Vietnam. (E.S.B./5611/59/I.C.A. April 1.)

NEW PRODUCTS

A 16-oz. Size.—Abbott Laboratories, Ltd., 8 Baker Street, London, W.1, state that their Compocillin-V oral suspension (hydrabamine penicillin V, Abbott) is now available in a 16-oz. bottle.

Addition to Range. — Boots Pure Drug Co., Ltd., Station Street, Nottingham, have added to their range of hydrocortisone preparations Hydrocortistab skin lotion 0.25 per cent in container of 20 mils. The product is subject to the Therapeutic Substances Act and regulations.

Low-priced Infra-red Lamp. — London Commercial Electrical Stores, Ltd., 20 Cursitor Street, London, E.C.4, have brought out, under the name New Soltanette, a low-priced infra-red lamp, table model, with "contemporary" light-weight stand that folds down for easier packing; insulated knobs for easy angle adjustment; strong plated-steel wire guard; highly polished reflector; and convertibility to radiant heat.

Antibacterial Throat Lozenges. — Clarnell, Ltd., manufacturing chemists, Spark Lane, Mapplewell, near Barnsley, Yorks, have launched a new throat lozenge, Dareets. Each lozenge contains 4 mgm. of cetyl pyridinium chloride in a glucose base to ensure maintenance of an adequate concentration of the drug in the saliva for long periods. Dareets are available in vial of twelve. The cetyl pyridinium chloride content gives the lozenges a marked antimicrobial activity in high dilution against most gram-positive and gram-negative organisms, pathogenic yeasts and fungi.

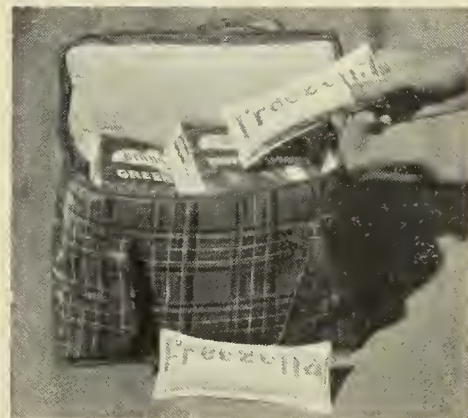
Emollient Foam.—Derived from the formulation used in Codella emollient cream, the new Codella foam, in aerosol package, contains three to four months' supply of foaming hand cream. The product has the advantage of being unperfumed, so that it does not clash with any perfume the user may be wearing. The formula contains "a unique blend of emollient substances which replace in full the natural skin oils which are dried out of the hands as a result of housework and hard weather."

The makers are Moore Medicinal Products, Ltd., Waverley House, Waverley Place, Aberdeen.

Sanitary Wear. — Two new products designed to ensure for women a high standard of personal freshness with the minimum trouble, are offered by the Kleinert Rubber Co., Walpole House, 91 New Bond Street, London, W.1. The first is a sanitary brief, the Savabelt with protective pocket into which a towel is easily slipped, making pins, belts and hooks unnecessary. Washable, the brief is available in fancy rayon or nylon, both with moisture-proof panels in Messrs. Kleinert's exclusive fleecenap cool and non-clinging

fabric. The second new item, the "Quick and Easy" dress shield, has slides that slip on to bra or petticoat straps, and an elastic strap that anchors the garment in place. There are four sizes.

Insulated Carrier Bag.—Insulex, Ltd., 67 Westbourne Grove, London, W.2, are marketing at a reduced price a new model of their Insulex plastic bag (thermobag), designed to increase its



efficiency in hot weather. The insulating fibre glass has been doubled in quantity, and a Freezella sachet is supplied. The Freezella is a new product designed to keep iced drinks iced, or to keep such goods as frozen foods cool in the carrier until they arrive home. Made from an opaque plastic and filled with a low-freezing-point solution, Freezella resembles a large hair shampoo sachet in appearance. Its temperature is brought down to 12° below freezing point after a few hours in the ice box, and remains colder than ice for a considerable length of time, leaving no mess as it melts. It is thus a boon both on shopping expeditions and when the household refrigerator is being defrosted.



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DISPLAY WITH PACK: Cut-out showstand for Colfax air spray takes an actual pack. Distributors of the product are Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1.

INFORMATION WANTED

The Editor would appreciate information about:

- Diasol salt substitute
- Creopinal codeine co.
- Bactafin pomade

PAYMENT FOR STANDARD DRUGS IN SCOTLAND

Additions to list of specified packs for pricing

FURTHER drugs are being brought within the provisions of an amendment to paragraph 6 of the Scottish Drug Tariff (see C. & D., November 29, 1958, p. 571) providing for payments for certain drugs to be made at prices for quantities different from those ordinarily applied under the Drug Tariff. Payment on the new basis for those additional drugs (listed below) comes into operation for the pricing of prescriptions dispensed on or after April 1. Scottish Executive Councils are sending a copy of the appropriate memorandum to chemist contractors.

STANDARD DRUGS	QUANTITY
Tab. acid. acetylsalicyl. sol. B.P.	500
Tab. aethisteron. 10 mgm.	25
Tab. aethisteron. 25 mgm.	25
Tab. aminophyll. 0.1 gm.	500
Tab. bellad. et phenobarb.	250
Tab. butobarbiton. gr. 1½	250
Tab. cyclobarbiton. gr. 3	1,000
Tab. digit. praep. gr. 1	500
Tab. digoxin	1,000
Tab. ephed. hyd. gr. ½	500
Tab. ferr. glucon. gr. 5	1,000
Tab. ferr. sulph. gr. 3	500
Tab. glyc. trinit. gr. 1/130	500
Tab. glyc. trinit. gr. 1/100	500
Tab. mag. carb. co.	250
Tab. methyltestosteron. 25 mgm.	25
Tab. methyltestosteron. 50 mgm.	50
Tab. penicillin 400,000 i.u.	100
Tab. phenobarbiton. gr. ¼	500
Tab. phenobarbiton. sod. gr. ¼	250
Tab. phenobarbiton. sod. gr. ½	500
Tab. phenobarbiton. et theobrom.	1,000
Tab. pot. chlorat. gr. 5	250 gm.
Tab. stilboestrol 1 mgm.	500
Tab. sulphadimidin.	500
Tab. thyroid gr. ½	500
Tab. thyroid gr. 1	500
Acacia pulv. No. 1	250 gm.
Acid. lactic.	250 mls
Acid. salicyl.	100 gm.
Aethylmorph. hyd.	2 gm.
Amethocain hydrochlor.	2 gm.
Argentoprotein	10 gm.
Argentoprotein mit.	10 gm.
Atropin	2 gm.
Atropin methonit.	1 gm.
Atropin sulph.	2 gm.
Benzyl. benzoas	100 mls
Bismuth. salicyl.	250 gm.
Bismuth. subnit.	250 gm.
Calc. carb.	2 kilos
Cera. alb.	4 oz.
Chloral hyd.	100 gm.
Cocain	1 gm.
Cocain hydrochlor.	1 gm.
Codein	2 gm.
Diamorph. hydrochlor.	2 gm.
Elix. diamorph. et terpin.	1 litre
Elix. phenobarbiton.	1 litre
Emuls. paraff. liq. et phenolph.	2 kilos
Ext. hamamel. liq.	100 mls
Glycer. bellad.	100 gm.
Glycer. pepsin.	250 mls
Glycer. phenol.	250 gm.
Linct. codein.	2 litres
Linct. scill. opiat.	2 litres

Lin. methyl. sal. co., B.P.C. 1934	250 mls
Lin. pot. iod. c. saponis	250 gm.
Liq. bromid. co., B.P.C. 1949	250 mls
Liq. canthar.	100 mls
Liq. iod. aquos.	250 mls
Liq. iod. simp.	250 mls
Liq. morph. hydrochlor.	100 mls
Liq. opii sed.	100 mls
Lotio calamin.	2 litres
Mag. carb. pond.	2 kilos
Methidon. hydrochlor.	1 gm.
Methyl. sal.	250 mls
Mist. mag. hydroxid.	2 litres
Morph. acetas	2 gm.
Morph. hydrochlor.	2 gm.
Morph. sulph.	2 gm.
Ol. amygdalæ	250 mls
Ol. camph. rect.	100 mls
Ol. eucalypt.	250 mls
Ol. olivæ	½ gall.
Papaverin hydrochlor.	2 gm.
Paraff. liq.	2 x ½ gall.
Paraff. mofle flav.	1 kilo
Paraldehyd.	100 mls
Pasta. alumin. co.	100 gm.
Pasta. resorcin. et sulph.	250 gm.
Pasta. resorcin. co.	100 gm.
Phenacetin.	250 gm.
Phenol	250 gm.
Pig. iod. co.	250 gm.
Pig. iodoform. co.	100 mls
Pilocarpin. nit.	1 gm.
Pot. permang.	100 gm.
Procaïn. hydrochlor.	10 gm.
Pulv. rhei. co.	250 gm.
Pulv. trag. co.	100 gm.
Quinidin. sulph.	10 gm.
Quinin. hydrochlor.	10 gm.
Santonin	2 gm.
Sod. et lauryl sulph.	100 gm.
Spt. aetheris	100 mls

Spt. aetheris co.	100 mls
Spt. aetheris nit.	100 mls
Spt. camph.	100 mls
Spt. chirurgical.	2 litres
Spt. chlorof.	250 mls
Styrax praep.	100 gm.
Succinylsulphathiazol.	100 gm.
Sulphacetamid. sod.	10 gm.
Sulphadimidin.	100 gm.
Syr. cocillana co.	2 litres
Syr. glycerophosph. co.	1 litre
Tinct. aconit.	100 mls
Tinct. benz.	100 mls
Tinct. capsici	100 mls
Tinct. catechu	100 mls
Tinct. chlorof. co.	100 mls
Tinct. cinchon.	100 mls
Tinct. cinchon. co.	100 mls
Tinct. colch.	100 mls
Tinct. digital.	100 mls
Tinct. ergot. ammon.	100 mls
Tinct. guaiac. ammon.	100 mls
Tinct. hamamel.	100 mls
Tinct. limonis	100 mls
Tinct. nuc. vom.	250 mls
Ung. benzocain. co.	250 gm.
Ung. acid. salicyl.	250 gm.
Ung. capsici co., B.P.C. 1949	100 gm.
Ung. hydrarg. co.	250 gm.
Ung. hydrarg. nit. dil.	250 gm.
Ung. hydrarg. nit. fort.	250 gm.
Ung. hydrarg. oleat.	250 gm.
Ung. methyl sal. co. dil.	250 gm.
Ung. picis liq.	250 gm.
Ung. resorcin.	250 gm.
Ung. resorcin. co.	250 gm.
Ung. zinc. oxid. et ol. ricin.	1 kilo
Ung. zinc. undecen.	100 gm.
Zingib. Jamaica pulv.	250 gm.

CHEMICAL REAGENTS	QUANTITY
Fehling's solution	100 mls

STATUTORY COMMITTEE

Two cases adjourned; "no direction" in a third

THREE cases were considered at a meeting of the Statutory Committee of the Pharmaceutical Society in London on March 4. The first concerned an inquiry held in November 1957, when it had been decided to postpone a decision and to reconsider the case after twelve months, the Committee also demanding a report from the registered superintendent of the company involved, and a report from the Society's inspector. THE CHAIRMAN said that the Committee had received and considered those reports, and was satisfied with them. The decision had been reached to give no direction in the case.

Evidence was next considered concerning the conviction of a body corporate of four offences under the Pharmacy and Poisons Act, 1933. The offences involved four illegal sales of Part I poisons, the sales being made when the company were not authorised sellers of poisons. The poisons had been sold in the form of dispensed medicines when there was no registered superintendent chemist in charge, and the case arose from the visit of an inspector of the Pharmaceutical Society to the premises and his discovery from the owner of the company that, for some months previously, no pharmacist

had been employed on a permanent basis. Counsel representing the company stated that a pharmacist had been present in the shop not all the time "as he should have been, but for some hours each day. Every day of the week he attended to dispense the prescriptions that contained poisons." During evidence a director of the company stated that he employed a pharmacist who was also a representative for a manufacturer, and who attended the shop three or four hours a day, depending how he finished his other work. Announcing the Committee's decision the chairman said that the Committee had assumed there was in the business a registered superintendent who was paying little attention to it, all he did being to attend three or four times a week. The Committee was not satisfied that he had dispensed or supervised the dispensing of the poisons in respect of which the convictions had taken place. A certificate of registration exhibited at the premises was in the name of a person who was not the superintendent, and who had no control of the retail sale of drugs. The Committee considered it to be a bad case of a company infringing the Pharmacy and Poisons Act quite deliberately, and in cir-

cumstances which afforded no excuse. "Any pharmaceutical business may be in difficulties for a period over not being able to get a qualified manager, but the Committee must make it plain once again that it is the duty of the company in those circumstances to stop selling poisons until a properly qualified manager is available." If a company deliberately continued to sell poisons when there was no qualified manager in control of the retail sale of drugs, then the company or the premises might "be removed from the register and disqualified from being registered for some named period." Having regard to the

previous unblemished record of the company, and to the fact that a registered superintendent had been appointed to supervise the business, the Committee decided not to make any direction but to adjourn the inquiry for a year, at the end of which time the Committee would consider reports from the Society's inspector and from the registered superintendent.

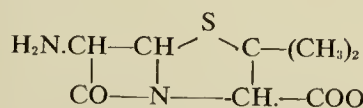
In the third case—a resumption of an inquiry adjourned from November 1956 (*C. & D.*, December 8, 1956, p. 619)—the Committee decided, after hearing evidence, to reconsider it after a further year.

PENICILLIN "BREAKTHROUGH"

The isolation of penicillanic acid and what it may lead to

WHAT makes so important the isolation of penicillanic acid, to which the daily Press has given such widespread publicity in the past week, is that it makes possible the synthesis of new penicillins in, so to speak, limitless variety. Among them may be antibiotics of high importance in medicine.

The work was carried out by Rolinson, Doyle, Naylor and Batchelor in the Beecham Research Laboratories at Brockham Park, Surrey. It sprang from observations of discrepancies between chemical and biological methods of penicillin assay when a precursor was omitted from penicillin fermentations. First reference to the work was a contribution by the four-member team in *Nature* (January 24, p. 257). They described 6-amino-penicillanic acid as a most useful intermediate for the preparation



of new penicillins and related compounds which are not easily accessible in other ways. The investigation began about four years ago, when an attempt was made to produce, by conventional fermentation methods, a penicillin amenable, after fermentation, to chemical modification into new and unknown penicillins. The usual method of creating new penicillins is to grow a selected organism in a broth and feed in a precursor, which the organism incorporates into the penicillin molecule at some stage of the microbiological synthesis. The most commonly used penicillin G is not susceptible to modification, and the experimental work proved lengthy, since most of the chemical precursors were not accepted by the moulds. It took almost a year to work out the conditions for the mould to produce one modifiable penicillin. In the course of the work the two conventional methods of assay—microbiological and chemical—were used. It was noted that, in certain conditions consistent discrepancies occurred between the results from the two methods. It was thought that the "brew" contained intact penicillin-like material—probably 6-amino-penicillanic acid. That hypothesis was confirmed when it was found that the material could be converted to penicillin G.

Later work resulted in the development of a process for the isolation of 6-amino-penicillanic acid. Thus the bio-

chemist will have available an amine that he can modify by side chains to produce penicillins in variety without having to rely upon micro-organisms to effect the changes.

It will, inevitably, be some time before the "breakthrough in the antibiotic field" (to which Professor Chain has said the discovery could lead) puts new weapons in the clinician's hands.

Mr. H. LAZELL (chairman of the Beecham Group) announced at a Press conference in London on March 6, that collaboration with an American company was envisaged that should enable further development work to proceed apace. DR. J. FARQUHARSON (head of the Beecham Research Organisation) said on the same occasion that his research workers already had promising leads towards solving the problems of (a) penicillin-resistant strains of staphylococci; (b) penicillin-sensitive patients and (c) penicillins active against Gram-negative organisms such as *B. coli*, salmonella, proteus, etc.

MORE PROFITABLE RETAILING

A one-day conference on work study

TRADERS from all over the Midlands attending a one-day conference on "More Profitable Retailing Methods," at Hinckley, Leics, on March 5, were told that their assistants spend only one-fifth of their working time in selling goods. Mr. G. H. Simmons (head of the British Productivity Council's work study unit), who made that point, also dispelled the small retailer's inevitable first reaction of hearing such facts, viz.: "I can't see that this is going to help me. Productivity is for the big boys."

"Of the 550,000 retail establishments in this country, 370,000 are one-man shops and it is in those cases that most benefit can be derived from work study techniques," Mr. Simmons told delegates. All the difficulties encountered by the retailer could be classified under three headings: Technical, economic and human.

The whole object of retailing was to get the customer to the goods and the goods to the customer. There were, another speaker pointed out, only two useful handling operations in retailing: Taking the goods into stock, and selling them. "Each time you handle a commodity, you add to its cost without adding to its value," he warned.

The speakers said that all work in a

Correspondence

Support Solicited

SIR,—I wish very strongly to support the candidature of Mr. Keith Jenkins in the forthcoming N.P.U. elections. He is, to say the least of it, a live wire; he can hold the rapt attention of any audience he addresses; he has the cause of professional pharmacy completely at heart, and would bring to the task personal capability of a high order. A pharmacist who has a vote to spare cannot do better than to cast it for Keith Jenkins.

J. T. MARRIOTT,
Hemel Hempstead

"For Future Use"

SIR,—With reference to the article headed as above (*C. & D.*, March 7, p. 255) on the subject of television film recording—in my ignorance I thought that so called telerecordings were shows, etc., which had been recorded by means of cinematograph cameras or cine cameras direct, and retransmitted in the same way as an ordinary film might be. To the lay mind this seems simpler than the intricate and no doubt costly method used of making a separate exposure of each scanned picture on a television screen, and in addition picking up the imperfections of a television screen caused by electrical interference, etc. Perhaps the authors could reply.

SAM B. RYAN,
Workshop

Appreciated

I HAVE derived much pleasure from the periodical whilst I have read it and consider *THE CHEMIST AND DRUGGIST* to be really first-class in interest and utility.—*M.J.T.E.*

shop could be divided into four categories: Operational (for actual selling), inspectional (weighing, measuring and testing), transport (walking done by the assistant), and delay (waiting for the customer). By a new method of work study, called activity sampling, a relatively unskilled person could, by recording observations made at different times over a given period, assess to within a reasonable degree of accuracy the amount of time an assistant spent performing work in those four categories. It would probably be discovered that some items were particularly popular or that there was constant movement to or from certain objects. An obvious saving could be achieved by moving those objects closer together.

Mr. Simmons said that when work study techniques had been applied successfully, the retailer might ask himself if he was any better off. He pointed out that if the retailer reduced the time spent in serving customers he could serve more customers. Although that might not matter so much during the week, it could mean the difference between employing or not employing a part-time assistant on a Saturday. During the week, those of the assistants who were not actually selling could be weighing and prepacking goods.

MARRIAGES

Silver Wedding

BAXTER—CARSON. — At Edinburgh, on March 3, 1934, John Henry Baxter, M.P.S., to Nancy Carson. Present address: 67 St. John Street, Whitehorn, Wigtownshire.

DEATHS

AKERROYD. — On March 4, Mr. George Ira Akeroyd, M.P.S., 3 Endcliffe, St. John's Road, Eastbourne, Sussex, former sales director of Boots Pure Drug Co., Ltd., Nottingham. Mr. Akeroyd, who qualified in 1905, joined the company as a branch manager in 1916, and was appointed sales manager at Nottingham in 1921. He retired in 1946.

CHAMBERS. — On March 1, Mr. Lewis Chambers, M.P.S., 48 Warley Road, Halifax. Mr. Chambers was apprenticed with the late Mr. Jabez Swire. After attending the Leeds College of Pharmacy he qualified in 1909. Two years later he began on his own account at 23 Union Street, Halifax, and was able to follow his business until fairly recently. He had been chairman of Halifax Branch of the Pharmaceutical Society, and president of the local Branch of the National Pharmaceutical Union. His activities in civic and ambulance work were also extensive. He was a member of Halifax town council from 1927 to 1955, having been an alderman from 1938. In 1944 he was mayor of Halifax. As chairman of the health committee he took a leading part in the development of local hospital services until the introduction of the National Health Service, and became a Halifax representative on the Leeds Regional Hospital Board. In 1940 he was made a Serving Brother of the Venerable Order of the Hospital of St. John of Jerusalem. Among much further varied service were membership of York Management Committee, chemists' representative on the local Executive Council and its predecessor the Insurance Committee, and work as a Methodist lay preacher. He is succeeded in his business by his only son.

CHECKETTS.—Recently, Miss Mary Checketts, Birlingham, Pershore, Worcestershire, aged ninety-three. Miss Checketts qualified as a chemist and druggist in 1898 and was believed to be one of the first, if not the first, of women pharmacists. She was trained by a Pershore chemist and later worked at the Northern Hospital, Winchmore Hill, London.

GOOCH.—On March 8, Mr. Wilfrid Holmes Gooch, M.P.S., 18 Richmond Road, Chingford, London, E.4, aged fifty-four. Mr. Gooch was first manager then proprietor of the Loesby-Jones pharmacy, 16 Station Road, Chingford.

Mr. H. L. Crossley writes: Wilfrid Gooch was a friend of his fellow pharmacists, particularly in the Chingford and Walthamstow areas where he was chairman of the local association and National Pharmaceutical Union Branch for several years. We knew him as a man of high integrity whose friendly and helpful advice was always at our disposal. Many others benefited from

his wise counsel. He was auditor to Essex Pharmaceutical Committee since 1950 and was held in high esteem by its members.

MERCER.—On February 20, Mr. Stanley Richard Mercer, M.P.S., 48 Chestnut Avenue, Forest Gate, London, E.7. Mr. Mercer qualified in 1929.

POTTS.—On February 15, Mr. Robert Gowland Potts, M.P.S., 14 Stonegate Road, Meanwood, Leeds, 6. Mr. Potts qualified in 1910.

PRATT.—On January 20, Walter Ryley Pratt, F.P.S., 38 Queens Road, Barnet, Herts. After qualifying in 1909, Mr. Ryley Pratt was a demonstrator and later an assistant lecturer at the Pharmaceutical Society's school. He was awarded the Pereira medal in 1910. In 1914 he entered industry along with colleagues to produce pharmaceuticals formerly imported from Germany. The business grew to become Pierson, Morrell & Co., Ltd., of which Mr. Ryley Pratt was the managing director.

TAYLOR.—On February 27, Mr. Archibald Leonard Taylor, F.P.S., 68 Ravelston Dykes, Edinburgh, aged 84. Mr. Taylor was chief pharmacist to the Bristol Royal Infirmary for 47 years until his retirement in 1946.

Mr. J. J. Boucher writes: By the death of Mr. Taylor, the pharmaceutical world has lost a man who devoted his life unstintingly to his profession. He qualified in 1896 and his first post after qualifying was as assistant dispenser to St. Bartholomew's Hospital, London. He then became head dispenser to the East Dulwich Hospital going to the Bristol Royal Infirmary as chief pharmacist in 1899. He spent the remainder of his working life in Bristol with a break during the 1914-18 war when he was gazetted a captain in the R.A.M.C. Mr. Taylor was an examiner in pharmacy for the Pharmaceutical Society and was a most active member of various British Pharmacopœia Commissions. His knowledge of pharmacy seemed boundless and he imparted it to generations of apprentices to their great benefit. Outside pharmacy, he had many interests; he was fond of walking and collecting botanical specimens; he was a very keen chess player and, in later years, an ardent freemason. He also acquired a fine collection of old pharmacopœias. After retirement, he went to live in Edinburgh with his younger daughter where he made many friends.

THOMPSON.—On February 18, Mr. George William Allen Thompson, M.P.S., Ridge Green, Nutley Drive, Goring-on-Sea, Sussex. Mr. Thompson qualified in 1903.

TWYMAN. — On March 6, Mr. Frank Twyman, aged eighty-two. Mr. Twyman was a director of Hilger & Watts, Ltd., until 1952 and then became their technical adviser. He was a master of the science of making fine optical components and will be chiefly remembered for his pioneer work in spectrochemical analysis. In 1924 he was elected a Fellow of the Royal Society and was awarded in 1926 the Weatherill medal of the Franklin Institute of Washington, in 1927 the Duddell medal of the Physical Society, and in 1957 the gold medal of the

Society of Applied Spectroscopists of the U.S.A.

WHITE. — On February 28, Mr. Percy Frederick White, M.P.S., Hydons, Hadlow Road, Tonbridge, Kent. Mr. White qualified in 1899.

WILLOUGHBY. — Suddenly, at 1 Goldsmith Terrace, Bray, on March 7, Mr. Robert Albert Willoughby, M.P.S.I., F.S.M.C. Mr. Willoughby qualified in 1931.

WILSON. — On February 26, Mr. William Wilson, M.P.S., 26 Baring Avenue, Bradford Moor, Bradford, Yorks. Mr. Wilson qualified in 1903.

PERSONALITIES

DR. H. L. FREEMAN, who is son of Mr. Bernard Freeman, M.P.S., of Freemans, Ltd., chemists, George Street, Altrincham, has been appointed registrar of the Maudsley Hospital Group.

MR. MERVYN MADGE (superintendent pharmacist, Plymouth Co-operative Society, Ltd.), has been elected by that Society its delegate to the Co-operative Congress to be held in Edinburgh, at Easter.

DR. J. H. GADDUM, of Edinburgh University, is giving a series of lectures in United States medical schools during April and May. The lecture tour is under the auspices of E. R. Squibb & Sons, pharmaceutical manufacturers. Dr. Gaddum will speak on "The Pharmacological Analysis of Tissue Extracts," at Georgetown University, Washington, D.C.; the University of Buffalo; Columbia University, New York; Emory University, Atlanta; and the University of Michigan.

COMPANY NEWS

Last year's figures in parentheses

WILLOWS FRANCIS, LTD.—An interim dividend of 5 per cent. on the Ordinary shares is declared in respect of the year ending June 30, 1959.

F. W. HAMPSHIRE & CO., LTD.—Final dividend, 13½ per cent., making 20 per cent. (16½ per cent.). Profit £177,083 (£189,580), including depreciation written back nothing (£63,704), and before tax of £79,269 (£64,087).

EASIPOWER, LTD.—Following a meeting of creditors, on February 25, at which it was agreed to liquidate the assets, the company has now been completely reconstructed and refinanced. All the working assets have been purchased by a new company to be known as Frederick Williams (Appliances), Ltd. The directors are:—C. M. Bell, A. A. Christy, R. L. Eastwood, D. T. Papillon, S. E. Pryor and F. H. Williams (managing). The various subsidiaries of Easipower, Ltd., are not affected by the change and have been purchased completely by Frederick Williams (Appliances), Ltd.

HILGER & WATTS, LTD.—Turnover for the year ended September 30, 1958, was again a record, reports Mr. G. A. Whipple, the chairman. Though the incoming order rate in the current year is not increasing a steady expansion of production has been continued thereby reducing delivery times and in some instances building up limited

stocks of instruments ready for sale. Thus, adds Mr. Whipple, the company is prepared to meet promptly the renewal of expenditure which may be expected from improvements in the American economy and the relaxation of controls on the borrowing powers of industry in this country.

New Companies

P.C. = Private Company; R.O. = Registered Office

GRENVITE, LTD. (P.C.).—Capital £100. To carry on the business of chemists, etc. Subscribers: Jean Herbert and Thomas A. Herbert, 156 Strand, London, W.C.2. The first directors are to be appointed by the subscribers.

CASTLE LABORATORIES, LTD. (P.C.).—Capital £100. To carry on the business of dispensing chemists, etc. Directors: Sam Woodward, Stanley West, M.P.S., and Sidney Swart. R.O.: 77 Castle Street, Hinckley, Leics.

CECIL NORMAN (CHELTENHAM), LTD. (P.C.).—Capital £1,500. To carry on the business of chemists, druggists and opticians, etc. Directors: Cecil Norman, M.P.S., and Thomas R. Ingram Norman, M.P.S. R.O.: 15 Montpellier Walk, Cheltenham.

A. J. COFFER (CHEMISTS), LTD. (P.C.).—Capital £100. To carry on the business of wholesale or retail consulting chemists, etc. Subscribers: Ann J. Coffe and Jean S. Coffe, 12 Collingwood Avenue, London, N.10. Ann J. Coffe is permanent director.

EVANSKY PRODUCTS, LTD. (P.C.).—Capital £100. To carry on the business of dealers in cosmetic and beauty preparations, etc. Directors: Albert Evansky, Rosel Evansky and Bernard Short. R.O.: 146 Bishopsgate, London, E.C.2.

AMIROL LTD. (P.C.).—Capital £5,000. To carry on the business of manufacturers, importers, dealers in hair preparations, perfumes, aromatics, essential oils, etc. Subscribers: J. W. Tapner and L. St. John T. Jackson. R.O.: 18 Austin Friars, London, E.C.2.

MCLEAN & SONS (CHEMISTS), LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturing and general chemists, etc. Directors: Robert F. McLean and Marjorie McLean. R.O.: 90 High Street, Gorleston-on-Sea, Norfolk.

VANITY SHOP, LTD. (P.C.).—Capital £3,000. To carry on the business of chemists, dealers in chemists' sundries, cosmetics, etc. Directors: Samuel Benghiat, Samuel Memran. R.O.: 10 Regency Parade, Swiss Cottage, London, N.W.3.

W. STEWART (CARLISLE), LTD. (P.C.).—Capital £100. To carry on the business of chemists, druggists and opticians, etc. Directors: Gladys M. Griffiths, M.P.S., Gordon H. Griffiths, M.P.S., Norah Wheeldon and Bernard Wheeldon. R.O.: 140 Botchergate, Carlisle.

ROSS LABORATORIES, LTD. (P.C.).—Capital £100. To carry on the business of manufacturers' agents for chemists' sundries and perfumery preparations, etc. Directors: John Saville, Ann Ross Saville, Margaret R. Allen, Ormus N. T. Davenport (all directors,

Saville Perfumery, Ltd.). R.O.: 16A Sackville Street, London, W.1.

BUSINESS CHANGES

WAM ORGANISATION have moved to Wamprint works, Bowlers Croft, Basildon, Essex (telephone: Basildon 20253).

THE telephone number of L. Garvin & Co., Ltd., Garvin House, Isleworth, Middlesex, has been changed to Isleworth 7171.

KINGSLEY & KEITH, LTD., have opened a sales office at 10 Manchester Road, Bury, Lancs (telephone: Bury 2747), under the management of Mr. J. A. Wright.

TOZER KEMSLEY & MILLBOURN, LTD., 84 Fenchurch Street, London, E.C.3, are removing to Millbourn House, 151 Minories, London, E.C.3 (telephone: Royal 3443).

WARD CASSON, LTD., have

acquired a factory and offices at 2 The Green, Richmond, Surrey, for the production, control and development of their pharmaceutical products. The factory, which is currently being re-equipped, will be under the technical direction of Dr. D. O. Holland and production is expected to commence there almost immediately. Orders and correspondence should be addressed there from March 25.

BRITISH CELLOPHANE, LTD., 6 Henrietta Place, London, W.1, has formed a plastic films division under which the company now groups the manufacture and marketing of films other than Cellophane cellulose film. Mr. J. Schwartz, who has been with the company since its formation in 1935, and was recently sales service manager, has been appointed manager of the new division. Production manager is Mr. D. Noble, and the sales manager is Mr. D. F. H. Drew.

IN PARLIAMENT

BY A MEMBER OF THE PRESS GALLERY, HOUSE OF COMMONS

REPLYING to a question by MR. NESS EDWARDS, on March 3, MR. K. THOMPSON (Assistant Postmaster-General) said that the principles for television advertising contain the rule that the advertising of medicines and treatment must comply with the basic standard of the "British Code of Standards in relation to the Advertising of Medicines and Treatments." DR. EDITH SUMMERSKILL asked how the Code of Standards "relate to the proprietary drugs which are now advertised and which have no therapeutic value at all." MR. K. THOMPSON replied that all advertisements and claims for those proprietary drugs were considered by the committee and would not be approved if they were wildly extravagant.

Cancer

MR. HASTINGS asked the Minister of Health whether he would give an estimate of the annual financial loss to the nation occasioned by cancer of the lung through the cost of hospital treatment, loss of working time, and premature death. MR. DEREK WALKER-SMITH in a written reply on March 4 stated an estimate was not available.

Purchase Tax

MR. G. D. N. NABARRO asked many questions relating to purchase tax on March 5, including some on the current practice of exempting certain photographic equipment sold to industrial and professional users under signed covenant. MR. F. J. ERROLL (Economic Secretary to the Treasury) admitted there were difficulties caused by the discrimination against the miniature equipment, but those cameras were extensively used by amateurs on whom tax was "properly levied."

MR. NABARRO'S purchase-tax question to the Chancellor of the Exchequer on March 9 was why nail cleaners, forceps and tweezers under 4½ in. in length, and corn rasps, all for the use of human beings, were chargeable at 60 per cent. whereas animal toilet brushes were charged at only 30 per cent. and certain other brushes for animals not taxed at all. Would the Chancellor re-

view those anomalies before introducing future purchase-tax proposals. MR. F. J. ERROLL (Economic Secretary to the Treasury): Articles specially designed for cleaning farm livestock are not toilet requisites.

Sunday Opening of Chemists

MR. J. PARKER asked the Minister of Health on March 9 whether he would arrange for longer Sunday opening periods of all chemists' shops in the Dagenham area during the present epidemic period. THE MINISTER replied that the arrangements in Dagenham were similar to those generally in operation, and he had no evidence that anything exceptional was required. MR. PARKER: When there is a great deal of influenza about it is surely unsuitable that people should have to wait at least three hours on two Sundays in succession in trying to get medicines supplied to them. The Minister said Mr. Parker would be aware of the facilities available in Dagenham and adjoining areas on Sundays, and, of course, at a time of heavy incidence of influenza chemists came under severe pressure.

Treatment of Migraine

MR. READER HARRIS asked the Minister of Health on March 9 whether he was in a position to say what proposals he had for setting up, under the National Health Service, clinics to deal with migraine on the lines of the Eileen Lecky migraine clinic, and what investigations had been made in the work of the clinic's out-patient department. THE MINISTER replied that his advice was that the treatment available at the clinic had no advantages over what was already available under N.H.S.

General Practitioner Service

In a written reply to SIR M. STODDART-SCOTT on March 9, the MINISTER OF HEALTH estimated that about 3 per cent. of the population of England and Wales were not on doctors' lists and did not use the free practitioner service. That represented no change from recent years.

BRANCH EVENTS

FINCHLEY

Figures and Finance

FACING a slightly antagonistic audience who had recently paid an increased retention fee to their governing body, MR. W. S. HOWELLS (treasurer of the Pharmaceutical Society) addressed the members of the Finchley Branch on February 23 on the finances of the Society. After the interval, Mr. Howells aided by the finance officer of the Society, answered many controversial questions, which were asked in a light and friendly mood. MR. H. J. SHORE (branch treasurer) proposed the vote of thanks and referred to Mr. Howells' kindness in travelling from Wales to give his address.

GRIMSBY

Carboys as Decorations

Two huge red and green carboys decorated the top table at the annual dinner and dance of the Grimsby Pharmacists' Association held in Cleethorpes recently. Mr. E. W. Broadburn presided, and his father (Mr. E. A. Broadburn), now seventy-nine years of age, watched his son performing the duties he himself had carried out almost thirty years ago. DR. J. LANNY (president, Grimsby Branch, British Medical Association), proposed a toast to the Association, paying tribute to the magnificent co-operation that pharmacists had always given to doctors. MR. BROADBURN said most of the Grimsby Association's officers now lived in Cleethorpes and there was friendly rivalry between chemists of the two boroughs. MR. J. S. FREER proposed a toast to the guests to which the mayor of Cleethorpes responded. About 200 people were present.

EAST METROPOLITAN

A Joint Meeting

THE East Metropolitan Branch of the Pharmaceutical Society and West Ham and District Association of Pharmacists and London Branch, Guild of Public Pharmacists, paid a joint meeting to Wellcome museum of Medical Science on February 19. They were shown the exhibits illustrating the causes, symptoms and treatment of many diseases, from those of viral origin to those of helminthic origin. They were then shown many rare books and manuscripts in the Wellcome Historical and Medical Library, the manuscripts seen including some written by Darwin and Lord Nelson. The remainder of the evening was taken up by a colour film, "The Story of the Wellcome Foundation, Ltd.", in which the origin and development of the company was described.

GLASGOW

A Colourful Tour

DENMARK and Scotland were the places "visited" when MR. ALEXANDER KITCHEN, M.P.S., A.R.P.S., addressed members of the Glasgow and West of Scotland Branch recently. On "Wandering with a Colour Camera," Mr. Kitchen screened many slides, mostly Kodachrome, illustrating a

journey across the North Sea by steamer taking a dozen passengers, and also, an itinerary visiting the principal towns and places of interest in Denmark. He followed these with many beautiful scenes taken in Scotland. Each series was accompanied by a racy commentary. A vote of thanks to the speaker was proposed by the treasurer of the branch (MR. J. CHILTON). Mr. J. Chilton proposed and Mr. A. Todd seconded a motion for submission to the Branch Representatives' meeting to be held in London in May. [The motion has been published, *C. & D.*, February 14, p. 171.] One member, Mr. W. T. Wilson, said that he was not in agreement with the motion. There was no amendment.

MANCHESTER

Golf Plans

WHEN the Manchester Pharmaceutical Golfing Society held its annual dinner on February 27, they entertained Messrs. G. S. Woolley (managing director, James Woolley, Sons & Co., Ltd.), R. Warren (representing Imperial Chemical Industries, Ltd., pharmaceuticals division), and H. Burlinson (Thomas Kerfoot & Co., Ltd.). The venues for the various competitions to be held in the coming season were suggested and noted.

Fire Risks

FOLLOWING the business session at the annual meeting of the Manchester Branch of the Guild of Public Pharmacists on February 25, Mr. H. F. Waldron (chief surveyor of the London and Lancashire Insurance Co., Ltd.), gave a talk on "Fire Risks." On the same day members visited the John Rylands Library, Manchester, and were shown a unique collection of Bibles, including the first ever to be printed. In addition they saw early examples of the Koran, cookery books, and the famous cuniformal tablets.

BRADFORD

Spending £½-million

THE principal of the Bradford Institute of Technology (DR. E. G. EDWARDS) speaking at the annual dinner and dance of the Bradford Branch of the Pharmaceutical Society on March 4, said that when the proposed plans of the institute were carried out Bradford would have a department of pharmacy "second to none in this country." It was proposed to spend nearly £½-million by the early part of 1960 on new buildings, staff and technicians for the department. Thirty years ago, he said, "there was one laboratory, one head of department and one lecturer. We have progressed a little bit since then." The new plan is to provide for a staff of thirty or forty, with an equal number of technologists. With a department of that size he wondered what the future was going to be and whether, being granted University status in so many departments, they might look forward to the time when qualifications there would rank equally with those of a university. The lord mayor of Bradford proposed the "Pharmaceutical

Society" and MR. G. H. HUGHES (vice-president of the Society) responded. MR. J. W. ROBINSON (chairman), proposed "The Guests and the Ladies," DR. EDWARDS responding.

EDINBURGH

The 1958 Pharmacopœia

ADDRESSING members of the Edinburgh and South-east Scottish Branch of the Pharmaceutical Society recently MR. ERIC KNOTT traced the evolution of the Pharmacopœia through those of the various Colleges of Physicians to the present day. He illustrated his address with an exhibition of some old pharmacopœias and related books. He drew attention to the deletion of the many preparations which were household remedies, such as Gregory's Powder, which will, no doubt, appear in the B.P.C. of the future. Many of the newer drugs have achieved official status but were still available only in the "ethical" pack. Commenting on a question concerning the absence of formulas for water miscible cortisone and hydrocortisone ointments Mr. Knott expressed the view that this was merely an oversight which would be remedied in the first addendum since it was quite possible to make such ointments. It was considered unfortunate that though the B.P. was striving for a full metric system such footnotes as appeared under tablets of ferrous gluconate had been made. Concerning the future of the B.P. Mr. Knott stated that inquiry amongst a number of chemists in business had elicited the information that none had a copy of the new edition, whilst some did not have the 1953 edition and so far, this had been no handicap in the day-to-day work in the pharmacy. MR. A. W. PATTERSON, dealing with "Drugs and B.P.," illustrated his talk with specimens representing those which had been deleted and the newer additions used in surgery and surgical dressings. MR. C. G. DRUMMOND, chairman of the branch, presided.

HARROW

Preparing Eye Drops

THE necessity of always dispensing eye drops sterile was stressed by MR. B. J. TUOMAS (manager of the pharmacy of Allen & Hanburys, Ltd., Vere Street, London, W.1), at a recent meeting of the Harrow Branch of the Pharmaceutical Society. Where ingredients could stand heat, eye drops should always be heated. The ideal preparation should be isotonic, should contain a suitable preservative, and should be thickened. He found that methyl cellulose, which had the peculiar property of being more soluble in the cold than when heat was applied, provided a suitable thickening agent. When preparing such a solution he allowed the methyl cellulose to digest overnight; a preservative was required, and he then found chlorbutol suitable. The current *liquor pro gutt.* was not entirely satisfactory, since a mould could grow in it. None of the various types of eye-drop bottles in use today, he said, was above criticism. On some occasions he had found that eye



LEICESTER & LEICESTERSHIRE BRANCH ANNUAL DINNER & DANCE

drops had been coloured by the inner lining of the stoppers. There was always the risk that drops left in the pipette after use might contaminate the contents of the bottle upon its return. The ultimate objective, he thought, might be a container in which the liquid was packed under pressure, so that drops could not return to stock. Spraying had been tried in the United States, but such application was not without attendant risks. Contact lens solutions—usually 1.5 per cent. sodium bicarbonate—would keep for only ten days, but he had experimented by bubbling carbon dioxide through the solution and waxing the stoppered bottles and had found that those procedures gave the solution a longer life. He used freshly boiled distilled water and filtered the solutions many times through good-quality cotton wool before packing in bottles that had been washed out with detergents and thoroughly rinsed. Despite the preponderance of pill and tablet counting in present-day dispensing he had collaborated with several specialists recently to meet their special requirements for such items as sterile bougies and special ointment bases. Mr. Thomas dealt also with tuberculin skin tests. A knowledge of the life of the various solutions was, he said, most important to pharmacists.

LEICESTER

Speaking of "Elephants"

SPEAKING at the annual dinner on February 19 of the Leicester and Leicestershire Branch of the Pharmaceutical Society, Mr. C. Gunn (head of the Leicester School of Pharmacy), said that when the school was first built it was called "a white elephant." Since then, he said, that white elephant had grown and had produced three vigorous "baby elephants" in Leicester and he congratulated the City Council on their foresight in providing the original school. During the last session some seventy local chemists had taken refresher courses in pharmaceuticals and therapeutics in their spare time. Ald. Sidney Brown (the lord mayor), said that the Council were proud of the way the school had prospered and said that possibly within the next few years there would be a larger family for the "white elephant." The chief guest was Mr. G. H. Hughes (vice-president of the Pharmaceutical Society).

Students Again Spring A Surprise

BUR for the fact that students of the school of pharmacy, Leicester College of Technology and Commerce, can always be relied on to provide a surprise at their annual reunion dinner and dance, those attending this year's function on March 6 (which coincided with the eve of "rag day" at Leicester University and College) might have been forgiven for believing that they had imbibed too freely when, after the usual toasts, they saw a coffin being borne into the room by six students. In near darkness and to suitable musical accompaniment, the coffin was solemnly opened to reveal "Lucifer" (impersonated by first-year student Bob Chatterton), who promised "dire peril and a swift departure to my abode" for all those who would not buy a copy

of the students' rag-day booklet. Earlier, MISS S. SKERRITT (lecturer in pharmacognosy at the College), when called upon by the chairman (MR. COLIN GUNN, head of the school) to propose "Our Guests," in accordance with tradition, "by standing on her seat," caused considerable amusement by drawing parallels between students and bacteria. (Both form colonies; there is an optimum temperature at which they work; sluggish at low temperatures they are dormant at high; they show a diversity of shapes and sizes; thrive best in the dark, etc.). Replying for the guests, MR. JOHN C. HANBURY recalled his own student days when, in 1932, he found Mr. Gunn sitting next

to him at the B. Pharm. examination. Wishing the students success in their forthcoming examinations he stressed how important it was for their answers to be clearly expressed. Good English could, he said, in border-line cases often tip the result in favour of the candidate. MR. J. B. DUNSIRE (chairman of the Pharmacy Students' Association) proposed "The Old Lags," to which MR. E. CREEDEY (secretary, Coventry Branch of the Pharmaceutical Society) replied. As dancing began someone discovered Mr. Aneurin Bevan sitting in an adjoining lounge. Needless to say the former Minister of Health was thereafter kept busy autographing the booklets.

HOW CONSUMERS' ASSOCIATION WORKS

The selection and testing of products explained

ONE of the speakers at a recent one-day conference in London organised by the Industrial Welfare Society for executives in the retail distributive trade was MISS EIRLYS ROBERTS (research director, Consumers' Association, Ltd., and editor of *Which?* the Association's official journal). The conference was attended by more than 100 delegates. Miss Roberts' subject was "The Awakening Consumer Interest." "When my organisation started work fifteen months ago," she said, "we were a bunch of amateurs. We had the material for the first issue of the magazine, but it had not come out; we had budgeted for a few thousand copies. We had £275 in the bank. We had no expectancy of getting in more than a few hundred members, and we had the fear of libel actions hanging over us. Now we have 115,000 members and, if we want, we can spend £14,000 on testing. That is the evidence of awakening consumer interest."

A Shopping Problem

The consumer today was faced with a difficult problem when shopping. One problem was the enormous number of things in the shops. "When we started testing convector heaters, we found there were 197 models on the market." The consumers' view was that a brand name meant quality. They paid for brand names, but were not always quite sure that it was worth it. Of membership of the Association, Miss Roberts said that it was "almost entirely middle-class, upper-income group—£1,000 a year or more. Prevalent are intellectuals, university lecturers, doctors, technologists."

Among products the Association were asked to test were detergents (at the top), tooth-pastes and shampoos. There had to be some selectivity in the items tested, but they tried to test as many products as they could. "Stomach powders are cheap and simple to test and so we can test the lot." Other goods were expensive, so they tested nearly every make in a certain size range.

Then there was the question of sampling. No one could tell the Association what would be a fair sample. "What we do is, if anything turns out unexpectedly good or bad, to get another sample to test."

The Association had no laboratory of its own. "If we are testing cosmetics

or "patent" medicines, we get them analysed by a public analyst or chemical laboratory, and we get the report on that analysis written by one doctor and checked by one or two others. One or two independent laboratories would test electrical products for safety and mechanical features and the goods were then put to practical tests. "Everything we test is a new problem. First we have to work out the questions the consumer is going to ask. And then we have to find ways of getting the answers or getting the scientist to find them. After that we do the reporting that appears in *Which?*"

The Association had no feeling for or against manufacturers or industry of any kind. "When we started, consumer interest was already rising, and I should think that a lot of people were motivated by resentment. They felt that they were being cheated, that they were being 'got at' by advertising. Now so far as we are concerned, all that is washed out." The Association aimed to get the facts straight and had no feelings in any direction. "We insist that we are not giving people merely decisions, but facts as well, so that they can accept our decisions or not as they like."

Replying to questions, Miss Roberts stated that manufacturers or suppliers were not advised what was being published in *Which?* "As a matter of policy, the results of tests are not told to manufacturers before publication—unless something quite extraordinary comes out that we are at a loss to understand." Test goods were always bought from a retailer, over the counter, just as by the ordinary shopper—never from the manufacturer. Asked if any aspect of the Association's work was concerned with complaints about products and services, and with advising members what to do, Miss Roberts said: "We want to spend as much time and money as possible on research. Therefore we cannot spare much time to help out over individual complaints; occasionally, however, we make exceptions in deserving cases. The Consumer Advisory Council of the British Standards Institution is better fitted to do that." The Association had no policy, said Miss Roberts, on resale price maintenance. "We stick firmly to finding out the facts about goods and services and reporting to our members."

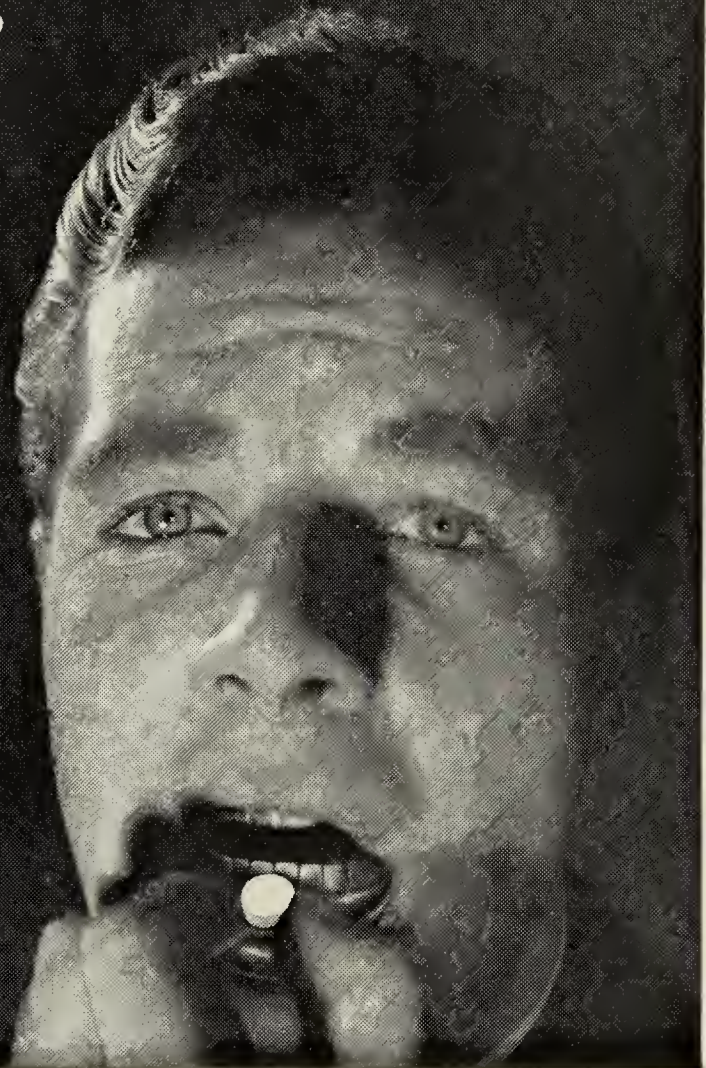
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Averages and Extremes

UNDER a headline "How the System Works," the *Executive Council* (March 1959) once again draws attention to the anomalies that occur under the averaging system of pricing prescriptions. To obtain the "average" which the pricing bureau applies to the under 5s. prescriptions, approximately 20 per cent. of those prescriptions are priced fully, and the average price per prescription calculated from that figure. The 5s.-and-over prescriptions are individually priced, and the chemist receives the true value for them. If the bureau finds in the packets that it extracts for averaging any prescriptions over 5s. in value which have been placed there in error by the chemist, it nevertheless includes them in the calculation of the average price. That has the effect of inflating the average price per prescription, but the mis-sorting has two effects on the chemist's payment. On the one hand he gets more than he should on account of the inflated average price. On the other, he loses money because he does not get the full true value for those over-5s. prescriptions that he has put in the wrong place. One of the over-payments that occurred in Cheshire was analysed by the pricing bureau and it showed that the chemist had included in the under-5s. bundle eighty-four prescriptions over 5s. in value (total value £33 2s. 7d.). The bureau in that instance extracted three packets which included fifty-six prescriptions over 5s. (total value £23 5s.). As a result, the average price per prescription was inflated, to the chemist's net gain of £72 0s. 4d. Those three packets, said the writer, produced the maximum gain for the chemist. He went on to examine what would have happened if other combinations of packets had been extracted to work out the average price, and gave his results in the table here given:—

PRESCRIP- TIONS	OVER 5s.		AVERAGE INFLATION	GAIN	LOSS
	NUMBER	VALUE			
300	56	£ s. d. 23 5 0	d. 17.20	£ s. d. 72 0 4	
300	39	16 13 5½	12.19	34 4 10	
300	32	13 19 0	9.76	22 1 1	
300	19	7 7 8	4.38		3 7 0
300	9	2 16 7½	1.21		25 18 10
300	1	6 6			26 13 1

"It will be seen," the paper comments, "that, on the present averaging system in use, the mis-sorting of prescriptions by the chemist may produce either gain or loss in relationship to the true value." In Shropshire

recently there was an over-payment of £107 3s. on £528 10s. 7d. for June 1958. When the Executive Council made inquiry of the pricing bureau whether the error was due to bad sorting, the reply was: "I have to advise you that sorting of the prescriptions by Mr. — is exceptionally good. Indeed it is the nearest approach to perfection which the writer has seen. Unfortunately, having done so well, he then appears to have included one packet of S prescriptions in the A batch, no doubt by pure mischance. By pure chance, too, we happened to select that particular packet for pricing, with the result you know. Had we not selected it, the contractor would have been seriously *underpaid*" (our italics). There seems no need for further comment.

New Horizons for Penicillin

IT is clear that a new era of penicillin chemistry has been entered with the isolation (see p. 283) of the basic molecule common to the medicinal penicillins in use today. That confidence is supported by the opinion of so eminent an authority as Professor Chain, a Nobel prize-winner and one of the members of Professor Florey's research team responsible for the forging into a medicinal weapon of Sir Alexander Fleming's original "zone-of-inhibition" discovery. It is further confirmed by the alacrity with which almost all the American manufacturers of antibiotics approached the Beecham Group to offer collaboration in research and development. Messrs. Beecham have let it be known that they "hope to make an announcement in the near future" about an arrangement of some such kind with "one of the large American concerns in the field." That should give the Group a good lead in the commercial exploitation of the discovery, but it is also certain that, whether with inside information or not, other teams on both sides of the Atlantic are now or soon will be following up one of the most promising lines of medical research to be marked out since the new era of specific therapy began. Dr. Farquharson (the director of research at the Beecham Laboratories) has described the discovery as "simple when judged after the event." That might be said of many of the discoveries that have changed the world. The thought must not detract from the brilliance of the work—outcome of a "marriage" between chemistry and microbiology—of the four-man team (the oldest is thirty-seven) who engineered it. To expect from the new ability to isolate the core of the molecule the synthesis of new penicillins capable of overcoming the sensitivity some patients show to existing penicillins is a prophecy modest enough to be put forward with confidence. There is the far greater hope that it will lead to the taming of the staphylococcus. There is furthermore the chance that it may lead to the elaboration of compounds effective against diseases hitherto intractable.

A Rate by Any Other Name . . .

THE next rates demand received by ratepayers will have a "new look." In one sense it will not be a "demand," for that nasty word has been dropped. The ratepayer will be *asked* to pay his dues. Of course, if the money is not paid, then court action will follow just as if it were a demand. The form on which payment of rates will be asked will reflect the different system introduced by the recently passed Local Government Act. Under that Act county and county-borough councils will no longer get specific grants from the Government for

such services as education, health, and care of children. Instead, they will get a general grant based on number of pupils, number of children, total population, etc. At this stage it is not easy to predict how the change will affect rates in the long run. The general grant may more than compensate for loss of discontinued grants. But it is clear that the full effects of any over or under spending will be shown in the rates levied. Industrial re-rating, provided for in the new Act, will be of benefit to district councils and should help to keep the rates down. Under it industrial properties are being rated on half instead of one-quarter of their assessable value. That may almost double the amount of rates factory owners have to pay.

On general grounds it is to be expected that the new system will bring about a rates reduction in many areas. On the other hand increased expenditure is planned by many council committees (often to meet salary and wage increases and the growing cost of materials). Reports now coming in show that traders in many parts of the country are having to pay a little more in rates. The fact that the dues are being "requested" and not "demanded" is hardly likely to soften the blow.

Onward from Galen

A CURRENT CAUSERIE

THE fervour with which students enter into the spirit of "rag days" must always be a source of amazement to the older generation. Take, for instance, the recent "pram" race from Leicester Square, London, to Leicester (total distance ninety-nine miles), in which fifteen teams of students from the Leicester University and College pushed prams at breakneck speeds through the streets of London and its suburbs to the roads of Middlesex and on through the shires of Hertford, Bedford, Northampton and Leicester. The stunt was a curtain-raiser for their rag day. The school of pharmacy, winners in 1958, entered a team again this year and were adjudicated fourth, though rumour has it that, but for questionable tactics on the part of a rival team, they would have been in third place. The rival was alleged to have put its pram into a van and driven right to the front. Since the exploit was done during the hours of darkness, however, proof could not be established. The school of pharmacy took just over 7 hours' "running time" against the winners' 6 hours 40 minutes. In a few years' time many of the participants will most likely be called upon to push a pram again. Then it is unlikely to be empty and the speed should be more leisurely, though one party to the transaction may expect them to shoulder the task with undiminished alacrity.

★

ONE of the greatest chemists of his time, Andreas Sigismund Marggraf, was born at Berlin 250 years ago: on March 3, 1709. He studied in succession chemistry and pharmacy, medicine, and mineralogy and metallurgy at Berlin, Strassburg, Halle, and Freiberg, before returning to Berlin in 1735 to become assistant to his father, the royal court apothecary. Elected to the Berlin Academy of Science (later known as the Royal Prussian Academy of Science) in 1738, Marggraf was appointed director of its chemical laboratory in 1754 and of its physics class in 1760. An able experimenter and a skilled and pains-taking analyst, he made many original contributions to chemistry and to industry. Among other things he introduced the microscope into the chemical laboratory; differentiated between potassium and sodium compounds; produced numerous chemical reagents; prepared and described phosphorus pentoxide, and demonstrated that phosphorus is contained in urine as phos-

Reopening of a Closed Market

THE signing of a financial accord in Cairo on February 28 brings the hope that trade between the United Kingdom and Egypt will improve. In the past an important market for pharmaceuticals, Egypt has been closed to British exporters for nearly two-and-a-half years. While there was, after the Suez affair, a big shortage of drugs and medicines in that country, Germany was not long in stepping in with supplies and long-term credits so that the shortage in supplies may have been rather in familiar makes and packages than in the drugs themselves. No doubt Britain will recover part of that lost trade, and indeed has already begun to do so, for in January exports of prepared medicines to Egypt were valued at £106,817 (against £37,617 in January 1957). But in Egypt, as elsewhere, there is a strong movement for producing everything locally, and according to the Egyptian Minister of Industry his country is soon to ban the import of all pharmaceutical preparations that can be made locally. Customs duties are being reduced on imported raw materials needed for the pharmaceutical industry, and it is also hoped to prohibit the importation of many cosmetics, including lipsticks.

phates. The economic importance of his discovery in 1747 of sugar in the sugar beet was not recognised until the continental blockade of France in 1806. A voluminous writer, and one of the last great exponents in Germany of the phlogiston theory, Marggraf died at Berlin on August 7, 1782. His collected papers were published in two volumes under the title *Chymische Schriften* (1761, 1767).

★

EDMOND Béranek, of "Tuberculin Béranek" fame, was a distinguished Swiss zoologist and bacteriologist, and was born at Vevey, in the canton of Vaud, Switzerland, on March 10, 1859. He studied medicine at Lausanne, and graduated M.D. at Geneva. In 1883 he became professor of zoology at the Neuchâtel Academy, where he made a name for himself with his encyclopædic erudition and his brilliant and painstaking teaching. His tuberculin was introduced while he was working in a bacteriological laboratory at Geneva. He obtained it from tubercle bacilli grown on non-peptonised bouillon, for he was the first to realise that peptones interfered with the curative action of tuberculin. He published his method in *Revue Médicale de la Suisse Romande* (1905, 25, 684-714). Béranek's tuberculin, which was described by Hermann Sahli, Berne, as "theoretically and practically the best based," was first used in Britain by (Sir) Robert Philip, Edinburgh, in a series of dilutions on a decimal scale differing from that of Sahli. Béranek died at Neuchâtel on October 26, 1920.

ECHOES OF THE PAST

VOMITING BLOOD

From *Primitive Physick: or, an Easy and Natural Method of Curing Most Diseases*, by John Wesley, 1772.

TAKE two Spoonfuls of *Nettle-juice*. (This also dissolves Blood coagulated in the Stomach.) Or, one Spoonful of the Juice of *Quinces*: Or, a Quarter of a Pint of Decoction of *Nettles* and *Plantane*, two or three Times a Day.

TO DISSOLVE COAGULATED BLOOD

Bind on the Part for some Hours a Paste made of *Black Soap*, and *Crumbs of white Bread*: or, grated Root of *Burdock* spread on a Rag: Renew this twice a Day.

A SHARP REDUCTION IN AIR FREIGHTS

from Europe to the United States focuses attention on the possibilities of

AIR TRANSPORT

in the marketing of chemicals, drugs and pharmaceuticals

BY A SPECIAL CORRESPONDENT

IT has just been announced by the International Air Transport Association that, subject to Government approval in the countries concerned, new commodity rates for chemicals, drugs and pharmaceuticals will become effective on May 1. At a time when transportation costs generally tend to increase rather than decrease, the news may come as something of a surprise. But a glimpse at the background against which this welcome reduction has taken place may serve to put it in its proper perspective and to give hope of even better things in the future.

It was inevitable that the speed of air transport should, from the start, attract emergency and perishable traffic. The ability of the aircraft to overcome natural barriers, such as mountain ranges, jungle or swamp between a source of supply and the site of some project made it also a "natural" for the transportation of equipment and supplies. The aspect of such traffic that was always first to manifest itself was, however, cost. The extra cost of air transport was only justified by the seriousness of the emergency, by the consequences of not taking immediate steps to meet such an emergency; the impossibility of transporting perishables by any other means, thereby making them luxuries at destination (and therefore costly); or by the value of the resources to be developed in otherwise inaccessible regions.

An Impression and Why it Lingers

Because aircraft engaged, from time to time, in such exploits, that aspect of the usefulness of the aeroplane hit the headlines, and left an impression on the public mind that air transport was only for the special occasion. Perhaps the Berlin "air lift," which had the dramatic aspect of making history, served also to emphasise that impression, while proving beyond doubt the capabilities of the aircraft as a cargo vehicle. For, side by side with the glowing accounts of the precise planning and magnificent accomplishment of those engaged on the Berlin air lift were frequent reminders of its enormous cost.

On the other hand, the air lines were primarily interested in passenger traffic in the period of development immediately after the 1939-45 war. That there was space on the aircraft other than was required for passengers and their baggage was due to the vehicle's shape, which was dictated in order that it should fly, and not due to any specification of the operators. Regular, scheduled air-freight space, therefore, was available only on the main routes of the world, and it suffered from limitations of size and weight. Only a limited number of routes offered a sufficient flow of traffic to warrant the introduction of all-cargo services. The alternative to a scheduled all-cargo service was a special charter, with its resultant question of cost.

The freight space available on passenger aircraft was offered to shippers at a basic rate per kilo, with a reduction of 25 per cent. for consignments of 45 kilos (100 lb.) or more. The method had the advantage of enabling a shipper to buy as few kilos of space as he required, and brought in to the air lines a large volume of sample and small-parcel traffic. But as the frequency of passenger services was stepped up, so more capacity was created, and an active sales effort began, most carriers having realised that here was an added source of revenue with considerable

potential to be exploited without a disproportionate increase in operating costs.

The early sales approach of the air lines was directed towards the more expensive commodities, for which the cost of air transportation would be "lost" as a small percentage of the final selling price; and towards commodities which required heavy and expensive packing to safeguard them through a surface journey but which could move safely by air with lighter and less costly packing, the difference in packing cost being sufficient to cover the difference between air and sea charges. As a further selling point there was the fact that insurance premiums charged on the same destination were much lower by air than by surface.

Those "advantages" (a word used regularly by all carriers in their air freight advertising) were pushed to the limit, and undoubtedly they brought in a large volume of traffic, mostly shorthaul. But as the length of haul increased, so did the rate per kilo, and the attractiveness of those "savings" decreased proportionately.

For some loads, experience in the limited use of air transport revealed "side-effects" that encouraged shippers to make greater use of it purely for the sake of economy. Research undertaken by many air lines brought out into the open what are now described as the "hidden" advantages of air transportation. A whole new concept of the subject emerged, which was as exciting as it was timely in the light of developments in the aviation industry. The new approach of the airlines virtually placed them in the category of business consultants rather than of mere salesmen of a service.

The potential in traffic and revenue of the new considerations is now regarded with such certainty by the air lines that it has had its effect upon the design of aircraft types due to come into operation in the next few years. As already mentioned, the freight space is there anyway, whether the carrier chooses to offer it for that purpose or not. The specification for the new Vanguard called for particular freight attributes that make it not just another passenger aircraft with spare space that may as well be used for freight, but a pure passenger-cum-freight aircraft whose freight aspect plays its part in the economic operation of the aircraft while fulfilling the needs of the shipper—a sure sign of faith in the future.

Jet Aircraft and the Freight Situation

So far no mention has been made of jet aircraft. Those mammoth machines will certainly bring with them a new and more urgent emphasis on air freight—not entirely without problems to the operators. A passenger jet with all seats filled still has about 5 tons of freight space! The coming into operation of the jets will render obsolete many propeller aircraft with years of useful life ahead of them. A sudden and enormous increase in freight capacity will be created, and it will have to be filled if the carriers are to operate economically.

The new awareness within the industry of the importance of and potential return from freight has been given added impetus by the advent of the jet aircraft. The problem has always been to attract new traffic, and effective ways and means have been found to do that in a gradual development. The problem now becomes acute, and some other

outstandingly effective attraction must be offered to bring in the traffic to fill the increased capacity. The major deterrent has always been cost, and it is to that aspect that the air lines have looked to solve their problems. The aim is accordingly to cut the cost and thereby attract the extra traffic so urgently required.

Prior to the announcement of the proposed introduction of the new rates per kilo, the best rate available under the heading of chemicals, drugs, pharmaceuticals and medicines from London to New York was 8s. 8d. per kilo. That compares with the basic rate of 19s. 1d. per kilo under 45 kilos and 14s. 4d. per kilo over 45 kilos—basic rates which are due to go up by 5 per cent. on May 1 if the governments concerned approve the new proposals! The incentive of the new commodity rates should encourage shippers to move bigger single consignments by air, while the new higher basic rate will be applied to traffic for which speed alone is the most important factor or goods whose value is so great that the small increase will be insignificant.

The immediate objective of the scheduled airline industry is, then, to encourage the use of air transport because it is a sound proposition on cost. But even those reductions do not bear direct comparison with surface shipping rates, nor are the old considerations of lighter packing and lower insurance sufficient to cover the difference. What they do achieve is a closing of the gap to a point at which the other aspects of air freight can be applied with greater effect.

The significant thing about the aeroplane is not that it is fast but simply that it is faster! The use of the comparative brings out the real point and the whole basis of the new air-line approach to shippers. In saying that they can move goods from Europe to the United States faster than any other means of transportation, the air lines offer a speeding-up in the process of distribution. That speeding-up is in keeping with trends in other stages of production and distribution. In the factory there is automation and in the administration there are the electric typewriter, calculator, accounting machine, etc. The introduction of such new methods into an industry is undertaken only in the light of the changes they will bring about in speed, efficiency and productive capacity. At every stage the question of cost arises and the decision to avail oneself of those new methods is taken only when it is evident that they will be worth the extra cost. To reach the stage at which such a decision can be taken a vast amount of research and analysis must be carried out. The fact that so many industries have plumped for automation is evidence that they were prepared to undertake the necessary research. As a further and most important step in the whole marketing process such research should now be extended to include distribution.

Essential Economic Research

The prime function of those who aim to "sell" air freight as an idea is to encourage industry to undertake research of precisely that kind. If industry did respond, where would an organisation start to look for the effects of the greater speed of air transport? The first part of the answer is—right at the end of the production line!

From there on through packaging and packing, accumulation of "shippable" quantities, providing space for storage, the keeping of inventories, the checking-out of bulk consignments, transportation to docks and time taken to deposit loads there, time of transportation to the coast of the destination country, unloading, clearance through customs, storing of stocks at final distribution centre—every stage is an addition to the cost of retailing the product.

Would the greater speed and frequency of air transportation affect any of those cost items? And if so would it affect them upwards or downwards? Frequency allied to speed immediately suggests smaller consignments sent more often. Smaller consignments need less storage space both as the goods come off the production line and at the wholesale receiving end. That aspect alone brings up the whole cost of maintaining storage space in terms of staff, light, heat, equipment, rent, stocktaking, etc.

The possibility of carrying smaller stocks without reducing service to the customer raises many marketing questions—fresh condition; more accurate short-term forecasting of requirements; ability to catch "snap" markets (or are 'flu epidemics peculiar to this country?); the unlikelihood of deterioration; reduction of risk of losses through obsolescence?

All those things having been considered, there is another big factor that might prove to be the final deciding point in favour of air transport—getting one's money back sooner! The greater speed of air transport ensures that the total time, from acceptance of raw materials to final return of payment for the product, is shortened. Turnover time reduced means an increase in the earning power of the capital that finances the whole operation. Investigation of those matters means a lot of hard work for a large number of people. For whom?

In his report to the International Air Transport Association in October last year, Sir William Hildred (Director General of the Association) asked, "what kind of vitamins are needed to transform this promising stripling (airfreight) to a full-grown breadwinner?" He went on:

"Another need is sales research and development. To fill our holds, we shall have to carry a variety of commodities which we seldom if ever handle today. This requires imagination, research, education and promotion. The commodities we must lay our hands on have been moving through established channels of surface transport for centuries; to get hold of them means changes in packaging and packing, inventory and warehousing and other practices which have become crystallised by long use. Much of this we can do for ourselves but not all of it. Shippers and importers must be encouraged by the appeal to their own pockets to exercise their own imaginations. . . ."

The appeal is to shippers' own pockets! The new rates across the North Atlantic are the first major step in that appeal. The new proposed rates for CHEMICALS, DRUGS, PHARMACEUTICALS, MEDICINES are:—

United Kingdom to New York: U.S. \$0.91 per kilo (minimum 250 kilos).

United Kingdom to Montreal: U.S. \$1 per kilo (minimum 250 kilo).

It is to be hoped that the innovation will prove rewarding and extend itself to many more world routes.

NEW BOOKS

The New Chemotherapy in Mental Illness

HIRSCH L. GORDON, M.D., PH.D., F.A.P.A. *Peter Owen, Ltd.*, 50 Old Brompton Road, London, S.W.7. 8½ x 5½ in. Pp. xvii + 762. 84s.

THIS considerable volume contains the contributions, under different headings, of 167 U.S. medical men upon the use of tranquilliser drugs. The subject matter is organised under the headings: General surveys; side-effects; and clinical experience—psychiatry and related conditions. The wealth of data, experience and opinion deserves an index to aid easy reference. Unhappily print size and the reproduction of the diagrams are not always ideal.

Pressurized Packaging (Aerosols)

A. HERZKA and J. PICKTHALL, *Butterworths Scientific Publications*, 4 Bell Yard, London, W.C.2 (in the United States *Academic Press, Inc.*, New York). 8½ x 5¼ in. Pp. xi + 411. 63s.

CLAIMED by the publishers to be the first comprehensive book on pressurised packaging, the work summarises, among other things, the many and complex problems that must be solved before a pressure-packed product can be marketed, and indicates how they may be overcome. Recognised as authorities in the aerosol field of packaging, the authors devote chapters to propellants, dispenser components, filling techniques, and laboratory evaluations. More than 200 formulations are given for such items as foods, cosmetics, medicinal specialities, insecticides, etc. Perhaps an especial value lies in the appendices: a directory of materials suppliers and world lists of suppliers of the minimal requirements for producing pressurised dispensers and of contract fillers.

"OPEN SHOP"

AN UNSCRIPTED COMMENTARY ON THE
SPECIAL PROBLEMS OF THE PHARMACIST
IN RETAIL PRACTICE

E. C. TENNER



IT is now clear that the retail practice of pharmacy is entering a new phase. All customers—the public and the Government—are now acutely price-conscious. People will walk a mile to save a penny or two on the purchase of a small packet of any household drug or commodity. The principles of price maintenance do not inspire public support. In fact, often public sympathy is aroused for the price cutter. The high cost of living is probably the root cause of that state of affairs. Anybody who doubts that should consider his own reactions when purchasing goods. He will generally find he just cannot afford to pay one supplier a fraction more than another for the same article.

The price of glucose powder is a good example of how things are going. National Pharmaceutical Union "competitive" glucose at 2s. is undercut by multiple (and widely distributed) glucose at 1s. 9d. I have seen a private chemist recently (and I think foolishly) advertising glucose at 1s. 6d. per lb. To any hard-up member of the public (and that means almost everyone) Epsom salts is Epsom salts, and he will not any longer willingly pay a penny or twopence more for a fancy pack or name. Compare that toughness with the mood of a woman buying cosmetics. She will often choose the most expensive article, again regardless of quality. The woman is no longer aware of quality, only of price and mystery. There is no longer any *mystery* about Epsom salts. The standardised substance is good enough, and the law sees that she gets it, but she believes a cosmetic is a mysterious "open sesame" to beauty and love!

With the public in that frame of mind we are told: "It is necessary for the Ministry (of Health) to be satisfied that the payments made from the Exchequer monies, according to the Drug Tariff for standard drugs and preparations, are in accordance with the prices paid by the chemist-contractors for such products. . . . The Ministry of Health . . . regret that they see no alternative to asking a representative sample of contractors to provide further factual data in a period of at least twelve months. The contractors selected for this inquiry will be changed each month, and no contractor will be asked to give the information for more than one month of the twelve. . . . The results will . . . be kept under running review, and if after, say, three months there is evidence to show that the Drug Tariff prices for individual drugs or the quantities on which the prices are based are either too high or too low, then adjustment will be made after consultation with the Central N.H.S. (Chemist Contractors) Committee."

The current inquiry into the cost of dispensing will have exposed all the actuarial facts of what composed the turnover and expenses of English retail pharmacy in 1958. The counter sales of drugs, preparations and appliances must support part of the expenses involved in the dispensing of National Health prescriptions and, because the Government is so keen that it shall be made impossible for any of us to make more than a minimum of profit out of dispensing, we are faced with the fact that, if our counter sales go down, it will be uneconomical for us to continue dispensing—in other words as pharmacists we shall be forced out of business. The multiples, supermarkets and our pushful competitor private chemists are all striving to attract our counter drug and proprietary trade away from us so as to increase their own profits while making it almost impossible

for us to remain in business as pharmacists. Those are the hard facts of life in this new desperately competitive phase we are entering. Our last cushions of more generous profits are being removed. The Government's present estimate of our worth is the miserable N.H.S. dispensing fee that is not even designed as a proper retaining fee! Unless we pay heed to all these things, many of us will find life hard indeed.

What can we do to be saved? First, we must decide to find suppliers of reliable own-name packed drugs and counter lines that can be sold at prices comparable with those of our most competitive opponents. That will mean that some of our old-fashioned ideas have to be changed (and some of the old-fashioned ideas of some of our manufacturers as well). To remain as chemists we have got to succeed as shop-keepers, opposed as we are by efficient multiples and supermarkets with relatively infinite resources behind them.

Secondly, and much more difficult, we have got to hold and build up the confidence of the public in our integrity and dignity. It is deeply significant that five out of seventeen motions submitted to the Pharmaceutical Society for discussion at the Branch Representatives' meeting in London on May 21 deal with the question of our "public relations," but the vital importance of our own personal business and professional ethics in forming those of our Society generally must not be overlooked.

In face of all those circumstances I just cannot imagine what arguments the Hertford Branch of the Society will bring to support its motion "That the Society should take the lead in obtaining a separation of pharmaceutical services from general trading, with the ultimate aim of prohibiting the latter in registered premises." The Hertford motion would place ruinous restrictions on the majority of the members of the Society. Where the Society should rather lead is in obtaining statutory recognition that the pharmacist is the only person properly qualified to distribute drugs and medicines for human consumption and in securing the statutory restriction of their distribution to the public to the channel of pharmacists' registered premises.

Territorial Representation

A postal plebiscite of the Society on the proposed institution of area representation on the Council might settle once and for all that vexed question. Personally I welcome the motion on the matter that is being laid before the Branch Representatives by North Staffordshire. Like many other members I feel that the apathy in voting at the annual Council election is due to hesitancy to vote for persons almost unknown to the voter.

There is one last motion that I must refer to. This time it is a resolution passed the other day by ten votes to two by the Scottish Department Executive to be submitted to the Council: "That in the opinion of the Executive the time is now opportune for the Council to reconsider the desirability of a scheme for the training, examination and supervision of unqualified assistants." What shall you and I tell candidates for the coming Council election to do about it? What do we *want* the Council to do about it? Unrepentant, I still believe there should be no official recognition of unqualified assistants as such by the Society.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN DEPARTMENT OF SCIENCES TO BE FORMED

Co-ordinating the Society's scientific activities

THE Council of the Pharmaceutical Society at its meeting on March 3-4 decided to establish a department of pharmaceutical sciences for the purpose of carrying on those activities in an enlarged and more effective manner, and giving them a more distinctive place in the Society's work. The bases of the reorganisation are the scientific publications department and the museum, but in addition to absorbing those the new department is to be the instrument for giving effect in the broadest sense to the objects of the Society relating to the advancement of pharmacy and chemistry and the application of pharmaceutical knowledge, for which in the past there has been no separate executive machinery.

Among the purposes with which the department will be concerned are the following:

To collect information on materials used in pharmacy and in particular on the sources, composition, chemical and physical properties, formulation, action and uses, and analysis of drugs and related substances.

To make available the above information through the various publications of the Society and by any other suitable methods.

To provide standards and standard methods of assay for drugs and pharmaceutical materials where these are not available in the British Pharmacopœia or elsewhere and to publish these standards and standard methods in suitable form.

To develop and publish standard formulas.

To undertake in the laboratory research where this is required for the various purposes set out above.

To establish and maintain connection with those engaged in pharmaceutical research and to encourage research by pharmacists.

To maintain and expand as necessary the collection of *materia medica* and the herbarium.

To arrange or assist in arranging exhibitions.

To arrange (a) meetings of the Society on scientific, technical and professional subjects; (b) refresher courses and other forms of post-graduate education, and to assist branches of the Society in making similar arrangements.

To provide the Council with reports on scientific subjects as requested.

A committee to advise the Council on the policy of the department is to be set up together with a number of specialised committees to deal mainly with practical investigations. One aspect of the department's work, i.e., that connected with exhibitions, will be part of a wider scheme embracing all forms of publicity. A publicity committee to advise the Council on such matters is in the course of being established.

Dr. K. R. Capper and Mr. S. C. Jolly have been appointed respectively director and assistant director of the department and Dr. T. E. Wallis, emeritus curator of the museum, will act in an advisory capacity to the department in connection with the collection of *materia medica* and the herbarium. As part of the reorganisation all historical material in the Society's possession has been placed in the custody of Miss A. Lothian, who has been given the title of keeper of the historical collection in addition to that of librarian.

Training of Assistants

The Council discussed the Scottish Department Executive's resolution that reconsideration be given to "the desirability of a scheme for the training, examination and supervision of unqualified assistants" (see *C. & D.*, February 21, p. 202). THE PRESIDENT (Mr. D. W. Hudson) said the resolution was a request to look at the matter again and pointed out that there was no question of reviving rejected proposals. The problem of unqualified assistants had been with them a long time and was now

becoming a current topic again. It was agreed to resume the discussion at the next convenient meeting.

The librarian's report recorded the presentation by Roberts & Co., New Bond Street, London, of a large old marble mortar on a wooden stand; and the gift to the library of an autograph letter dated December 20, 1849, written by Jacob Bell to Edward Smith, and presented by Mr. H. E. Brocksom of Hampstead. It was stated that the John Bell centenary would be officially observed by the Society on June 12. The programme of events to mark that occasion would be announced later.

The Education Committee took note of proposed alterations in the ordinances and regulations for the degree of B.Sc. with Honours in Pharmacy, and for the ordinary degree of B.Sc., of the University of Manchester. The receipt was reported of an invitation to send a representative to the International Conference and International Seminar on Vocational Guidance, to be held at Margate from May 1 to 5, and it was agreed to accept the invitation.

On the Finance Committee's recommendation the Council confirmed proposals to alter the by-laws in the manner of which notice had been given previously (see *C. & D.*, December 20, 1958, p. 638), and on which no observations had been received within the prescribed period. Authority was given for a copy of the resolution to be sealed with the Common Seal of the Society, and it was agreed that the alterations should be submitted to the Privy Council for confirmation and approval.

It was reported that the *ad hoc* committee with representatives of the Guild of Public Pharmacists, proposed at the last meeting to consider the final report of the Central Health Services Council Committee on Hospital Supplies, had been formed, and had agreed to the preparation of a statement for submission to the Ministry of Health. The Council appointed Dr. K. R. Capper to represent the Society at the 19th International Congress of Pharmaceutical Sciences, Zürich, September 6-9. Mr. W. K. Fitch was appointed to represent the Society at the meeting of the International Congress of Military Medicine and Pharmacy and the Military Pharmacists' Section of the International Pharmaceutical Federation to be held on April 2 and 3 to continue the work on the production of an International Military Pharmaceutical Formulary.

Registration of Students

To fill the place on the Public Services Committee vacant by the resignation of Mr. P. J. Fowler, one of the four co-opted members, it was agreed that Mr. S. Powlson (secretary, Guild of Public Pharmacists) should be co-opted as a member of the committee until May.

In February eleven persons had been registered as "Student," making a total of thirteen in the current year, against 428 in the corresponding period of 1958. Four former members of the Society, having paid the necessary fees and penalties, had been restored to the register.

In January the Society's inspectors and agents visited 1,242 authorised sellers, 240 listed sellers, and 344 drug-store proprietors and similar traders. Nine cases of alleged infringements under the Pharmacy and Poisons Act, 1933, and the Pharmacy Act, 1954, were considered, and appropriate action was taken.

The Benevolent Fund and War Aid Committee's report showed that grants amounting to £195 3s. 7d. had been made and recommendations for grants amounting to £457 6s. 2d. were approved. Four applications for assistance were deferred, together with one application to the War Aid Fund. MR. A. ALDINGTON reported on his visit to the Royal

Wolverhampton School, where four orphaned children of pharmacists are being educated, and on the Committee's recommendation the Council agreed that the annual subscription to that school should be increased to £100, to be paid from the Orphan Fund. A legacy of £100 was left to the Benevolent Fund by the late Mr. Sam Briggs, Lincolnshire.

The Birdsgrove House warden's report stated that in the month to February 16 there were fourteen guests at the convalescent home for an aggregate of 18½ weeks, against four guests and one week in the same period a year ago.

Report on 1958 Resolutions

The final report of the Council on resolutions passed at the Branch Representatives' meeting in May 1958 was presented. On the resolution "That official drugs and preparations whose name or title is unwieldy should have a shorter title to encourage medical practitioners to prescribe by official title," the Council state that the effect of the length of an official name on prescribing practice can easily be exaggerated. If medical practitioners do not use official titles that may well be because their minds naturally turn to the use of names with which they are more familiar as a result of the promotion activities of manufacturers. The Council do not consider there is sufficient evidence to suggest that the length of an official name is primarily responsible, if at all, for its not being used, particularly as the medical profession are well accustomed to ponderous terminology. Some official names may not be so easily memorised as brand names but it must be remembered that they have to conform to certain general principles, particularly the need for them to be understood internationally. Names which were too short would be in conflict with those principles and moreover might well make the pharmacist's task in interpreting prescriptions more difficult. It was that point which was in mind when the recent conference on proprietary medicines deplored any recommendation to prescribers to order drugs by abbreviations of official or proprietary names. In general the Council are satisfied that the appropriate authorities are conscious of the need to keep official names as short as possible and in particular welcome the steps which have been taken to omit acid radicles from the names of preparations where those are unnecessary.

On the resolution "That the Council should be urged to appoint a curator and rehabilitate the Society's museum," the establishment of a Department of Pharmaceutical Sciences now announced makes appropriate provision for the future of the work of the museum.

The Council are not yet able to present a final report on the following:—

"That the Pharmaceutical Society should take steps, after consultation with all appropriate bodies, so to amend the Schedule 4 poisons regulations that a pharmacist may, after consultation with the prescriber, complete a Schedule 4 prescription in cases where either the amount or the strength of the preparation had not been stated, such prescription to be duly endorsed by the pharmacist. In addition, representation should be made to ensure that on prescriptions for Schedule 4 poisons and for substances covered by the Therapeutic Substances Act, initialled endorsement by a pharmacist should be accepted as evidence of completion or modification of the prescription."

Other resolutions were the subject of an interim report (see *C. & D.*, November 15 and 22, 1958, p. 533 and 560).

MEDICAL ABSTRACTS

MALFORMATIONS DUE TO DIET DEFICIENCIES

In a paper read at a symposium on nutrition in pregnancy, Warkany (*J. Amer. med. Assoc.*, 1958, 15, 2020), describes observations on animals, giving a warning against assuming that the findings can be applied to man. Warkany found in rats that a deficiency of riboflavin in the mother could cause malformation in the offspring. In a series of tests on animals, about one-third are understood to have had congenital malformations. Rats deprived of vitamin A in the period from weaning to pregnancy also produced

young with congenital malformations. Reactions to deficiency differed according to foetal age. In the work on the vitamin-B complex, it was noted that regular soft-tissue malformation did not occur with riboflavin. Deficient folic acid and cyanocobalamin caused hydrocephalus in rats. Ocular defects were noted in the young of mothers deprived of pantothenic acid. In pregnant rats, vitamin-E deficiency could result in foetal absorption.

VANCOMYCIN, A NEW ANTIBIOTIC

DAVIS and others (*Brit. med. J.*, 1958, ii, 1394) report on the use of vancomycin (an antibiotic produced by *Streptomyces orientalis*) in a case of puerperal septicaemia. *S. orientalis* occurs in certain Indonesian soils. Earlier *in vitro* investigations indicated a lethal effect against *Staph. aureus*. In the case mentioned, vancomycin proved effective against an organism that had proved resistant to oxytetracycline, penicillin, chloromycetin and erythromycin. Sterile blood cultures were obtained within three days of use of the new drug. Vancomycin may only be administered by the parenteral route. It is not yet commercially available.

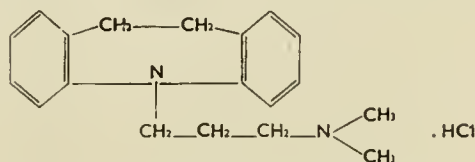
GUIDE TO NEW MEDICAMENTS

THE following paragraph upon Tofranil—a new oral drug for use in the treatment of depressive states—should be inserted into the file systems to replace that published on March 7 (p. 269). Details of dosage have been amended on the basis that Tofranil is principally an oral drug for use in depressive states, parenteral use being secondary for severe cases.

TOFRANIL

MANUFACTURER: Geigy Pharmaceutical Co., Ltd., Roundthorn Estate, Wythenshawe, Manchester, 23.

DESCRIPTION: A "thymoleptic" drug, regulating mood and assisting the patient to bring order to the emotions. No specific pharmacological basis for its action has yet been established, but it is assumed that the drug unblocks and lifts the fixed depressive mood rather than exerting an anti-depressive effect. Tofranil is principally an oral drug for use in the treatment of depressive states. It has little or no sedative action. The drug is available in two forms: sugar-coated tablets each containing 25 mgm.; and ampoules each containing 25 mgm. in 2 mils. Chemically: N-(γ -dimethylaminopropyl)-iminodibenzyl hydrochloride, which is in the new pharmacologically active group of iminodibenzyl derivatives.



INDICATIONS: Endogenous depression; manic depressive psychoses; depression due to involutional and organic changes; depression accompanying psycho-neurotic states.

DOSAGE: *Oral*. The exact dosage will vary from case to case but in induction phase it is usual to give four tablets on first and second days (one in the morning, one at lunch-time and two at night) and that dosage is increased by two tablets a day, maintaining the three-times-a-day administration to a maximum of ten tablets a day by the fifth day. That dosage is continued until clinical improvement is seen, when the dosage should be reduced gradually to a therapeutically effective maintenance level of two to six tablets a day. *Parenteral*: For severe and unco-operative depressive states. Start with three ampoules on the first day and increase by one ampoule per day to a maximum of eight ampoules daily by the sixth day. Oral treatment is then started, two tablets replacing one ampoule daily until tablets only are administered. Lower to the maintenance dosage of two to six tablets daily after clinical improvement is seen.

HOW SUPPLIED: In containers of fifty, 200 and 1,000 25-mgm. tablets and containers of ten and fifty 2-mil ampoules each containing 25 mgm.

FIRST ISSUED: To mental hospitals only, January 1959.

SUPPLY RESTRICTIONS: Available only to mental hospitals and psychiatric units.

REFERENCES: *Schweiz. med. Wschr.*, 1958, 88, 763. *Schweiz. med. Wschr.*, 1957, 87, 1135.

IRISH MEDICAL REPRESENTATIVES

Inaugural dinner of new association

THE inaugural dinner of a newly formed Irish Pharmaceutical and Medical Representatives' Association, held in Dublin, on February 28, was attended by ninety-two members and guests including the president of the Pharmaceutical Society of Ireland. Dinner was followed by a smoking concert and with the speeches, mainly of an informal nature, the occasion was a great social success. The president of the Association (MR. J. MCKENNA), welcoming the guests, said that he was conscious of the privilege of presiding over the first of the Association's social functions. It was the Association's intention that, whatever other activities it undertook, it would always have at least one such function every year. Paying tribute to the Association's honorary secretary (MR. F. WALSH), the president said that he had not only borne the brunt of the work on the organisational side of the Association, but was also responsible for most of the work of organising the dinner.

MR. MCKENNA said that, after the agreed final date for registrations, the Association's committee agreed that a social function would be the most suitable occasion at which to meet all members and associates. They considered that it would also give the Association an opportunity of showing its appreciation of the kindness, courtesy, support and encouragement they had received from existing pharmaceutical bodies.

"Confidence in the Association"

"I know I am expressing the view of all present when I say that we are honoured to have with us Mr. H. Corrigan (president, Pharmaceutical Society of Ireland); Mr. G. O'Neill (a member of the committee, and a former president of the Irish Drug Association), who has come along at very short notice; Mr. Lohan (president, Hospital Pharmacists' Association); Mr. Hughes (president of the Compounding's Association); Mr. Coleman (registrar, Pharmaceutical Society of Ireland) and Mr. Brendan Smith (secretary, Irish Drug Association)." In a special tribute to their associates, the president said that had they shown their confidence in the Association not only by joining, but also by the numbers in which they had come along that night to ensure the success of the dinner. Amidst applause Mr. McKenna

said: "I promise them that as long as this committee has anything to do with the Association their interests will receive at least equal consideration with all others in all our future activities."

Proposing the toast of the Pharmaceutical Society of Ireland, MR. J. MEEHAN (a member of the Association's committee) said that the Society had a great tradition, and a great responsibility. It must guard the standards that had been handed down. "It is a progressive Society and I am proud to say it fosters and encourages a code of ethics and behaviour which is second to none." In no corresponding society in the civilised world was the standard of spiritual and ethical behaviour higher. "I am happy to see the Society keeping well abreast of the times. Its new school must be a source of pride to us all, and I am sure that, under the guidance of Mr. Corrigan and his able lieutenants, the Society will jealously guard the fine traditions handed down by their predecessors—dignity not being the least."

"Remarkable Organising Powers"

Replying, MR. H. P. CORRIGAN (president of the Society), thanked Mr. Meehan for "the handsome manner" in which he had proposed the toast and thanked the gathering for the manner in which they had received the toast. "I would like to emphasise how happy I am to represent the Society at this, the first social function of the Association. Although young, it has already shown remarkable growth and powers of organisation." The credit for that must go to the energetic committee who had a good deal to do with the establishment of the Association, the aims of which were commendable: to ensure that those who followed them would have the same qualities, the same pharmaceutical training and background both individually and collectively. The relationships existing today between the medical and pharmaceutical professions were on a better basis than at any time since the foundation of the Pharmaceutical Society. That that was due in no small measure to the excellent work and the good impression created by medical representatives was in no doubt.

The toast "Our Guests" was proposed by MR. E. BROWNE who, in a reference to Mr. Smith (secretary of the Irish Drug Association), said:

"Mr. Smith especially deserves our support for the manner in which he has always upheld standards, prices and matters of that nature."

MR. M. LOHAN (president of the Hospital Pharmacists' Association) replying, said that his Association had the interests of the new body very much at heart. "We are wholeheartedly behind you because you are the people who come and indoctrinate us."

The toast of the Irish Pharmaceutical and Medical Representatives' Association was proposed by MR. O'NEILL (Irish Drug Association). MR. F. WALSH (secretary), replying, said that the Association now had 192 members, which he considered wonderful progress.

MANUFACTURERS' ACTIVITIES

On Visit to Europe.—Mr. Milton M. Parfitt (supervisor of European sales for S. J. Stokes Corporation, Philadelphia, Pa., U.S.A.) arrived in London recently on a seven-week trip to Europe. Until March 14 he is, with Mr. David Shaw (Alchem Processes, Ltd.; 36 Peckham Road, London, S.E.5), the company's representative in the United Kingdom, calling on customers and prospects in the British Isles with news of latest developments in Stokes automatic production equipment for the pharmaceutical, chemical and other industries.

Photographic Equipment Exhibition.—In order to increase the usefulness of their service to the retail pharmacist, Bradley & Bliss, Ltd., King's Road, Reading, have been extending the range of their photographic stock and a daily delivery service of all photographic items for which they are accredited distributors. To inaugurate that service, they held an exhibition of photographic equipment at the Great Western hotel, Reading, on March 4-5, which was well attended by local retail chemists. Representatives of the company and of manufacturers were in attendance.

European Research Institute Planned.—Plans for a new scientific centre in Geneva employing British, Swiss, French, German and other European scientists and devoted solely to long-range research in the chemical and biological sciences, were announced recently by Dr. Robert C. Swain (vice-president for research and development, Cyanamid International). Dr. Swain said . . . "We plan to employ six or seven senior scientists who will be selected from different scientific fields and from different national origins. Each of the scientists will become the head of a department fully staffed and equipped with modern facilities to permit him to continue and expand his personal scientific interests." An indication of the company's research effectiveness, he said, was the fact that over 50 per cent. of current sales came from products, developed in their own laboratories and which were completely unknown ten years ago. As a current example of progress, Dr. Swain was able to report that the first total synthesis of a tetracycline, biologically active and related to Aureomycin, had just been achieved.

Some guests at the inaugural dinner: Front row, Messrs. M. F. Walsh (secretary), H. P. Corrigan (president, Pharmaceutical Society of Ireland), and J. McKenna (president of the Association); second row, Messrs. E. Hughes (chairman, Compounding's Association), M. Lohan (chairman, Hospital Pharmacists' Association), P. Cummins (treasurer of the Association), and J. Meehan, Cork (a member of the committee).





Powerful oral progestogen many times more active and "...cheaper to use than ethisterone..."*)

*) British Medical Journal May 31st, 1958, p. 1297

Primolut

Nor ethisterone

Indications: Metropathia haemorrhagica, Polymenorrhoea, Postponement of Menstruation, Amenorrhoea, Sterility, Abortion, Premenstrual Tension, Dysmenorrhoea.

PRESENTATION and TRADE PRICES

Tablets containing 5mg. Norethisterone.

Tube of 30 — 19/2

Bottle of 100 — 53/4

Bottle of 500 — 226/8

Bottle of 1000 — 441/4

Primolut N is exempt from purchase tax.

SCHERING A.G. BERLIN / GERMANY

U.K. Subsidiary: Pharmethicals (London) Ltd., 20, Gerrard Street, London, W.1

Irish Office: H. E. Clissmann, 20, Merrion Square, Dublin



2 EXTRA WEEKS

OFFER EXTENDED TO MARCH 28th 1959

FOR

Sunfresh
Regd. Trade Mark

LEMON BONUS OFFER

Because of many requests from the trade, it has been decided that the Sunfresh Bonus Offer should be extended by 2 weeks to finish at Easter. One bottle of Sunfresh Lemon Glucose Drink will be given FREE with every case of one dozen bottles of Sunfresh Orange delivered by March 28th.

ORDER TODAY FROM YOUR USUAL SUPPLIER

O. R. Groves Ltd., 20 Jermyn Street, London, S.W. 1.
 Tel. GERrard 9484 (7 lines)

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, MARCH 11: The quiet trading conditions of the past week brought no major price changes. The scarcity of Chinese MENTHOL continued and Brazilian material tended to firm in consequence with shipment up by 1s. 9d. per lb.

Bombay HENNA was the latest item from India to be marked up for shipment, the forward quotation being 70s. per cwt. against 62s. recently. New-crop African GINGER was quoted at the same level as spot old-crop. PEPPERS began to ease but later hardened on Continental demand and reluctance of Singapore merchants to offer. The forward rate of SENEGA at 15s. per lb. was less than previously asked but still represented a premium over spot quotations. CINNAMON was fractionally easier at origin. Curaçao ALOES was currently offered at 49s. per cwt. on the spot.

LEMONGRASS again eased in both positions while Brazilian BOIS DE ROSE was lower by sixpence per lb. On the other hand Chinese PEPPERMINT was dearer by one shilling per lb.

In PHARMACEUTICAL CHEMICALS one manufacturer offered CITRIC ACID in an alternative packing which represented a reduction of nearly one penny per lb. from established drum rate.

Pharmaceutical Chemicals

ACETIC ACID. — B.P. glacial in 10-ton lots is £104 per ton naked and technical £91. Carboys are £8 and demijohns, £10 per ton extra. Single carboys cost 1s. 8d. per lb. (3s. 8d. per kilo).

ALOIN. — Spot offers (14-lb. lots) are 28s. 9d. per lb.

BENZYL BENZOATE.—One-ton lots of B.P. grade are at 4s. 6d. per lb.

BISMUTH SALTS.—The following are the prices (per lb.) in largest bulk packages:—

	28 lb. to 1 cwt.	1 cwt.	5 cwt.
	s. d.	s. d.	s. d.
CARBONATE ..	22 3	21 9	21 4
SALICYLATE ..	21 9	21 4	20 10
SUBGALLATE ..	21 1	20 8	20 2
SUBNITRATE ..	20 5	20 0	19 6

The 1-cwt. rates (per lb.) for other salts are:—CITRATE, B.P.C., 22s. 8d.; NITRATE, crystals, 14s. 8d.; OXIDE, B.P.C., 27s. 7d.; OXYCHLORIDE, B.P., 27s. 9d.; OXYIODOGALLATE, B.P.C., 28s. 9d.; SODIUM TARTRATE, 35s. 6d.; and TRIBROMPHENATE, B.P.C., 26s. 9d.

BROMIDES.—Prices per lb. are as follows:

	1 cwt.	5 cwt.
	s. d.	s. d.
POTASSIUM ..	2 6	2 5
SODIUM ..	2 6	2 5
AMMONIUM ..	2 10	2 8½

The prices quoted are for crystals (powder is 1½d. per lb. more) packages free, carriage paid terms. The kilo rates for 50-kilo lots are 5s. 6d. for potassium and sodium and 6s. 3d. for ammonium.

CINCHOPHEN.—1-cwt. lots are quoted at 21s. per lb.

CITRATES.—Present rates (per lb.) for 1-cwt. and 5-cwt. lots are as follows:—

	1 cwt.	5 cwt.
	s. d.	s. d.
SODIUM† ..	2 10	2 9
POTASSIUM† ..	3 1	2 11½
IRON AND AMMONIUM*..	3 9	3 7½

†Powder 3d. per lb. more. *Scales 10d. per lb. more.

CITRIC ACID.—Quotations (per cwt.) for domestic material in drums are 225s. for 1-4-cwt. lots and 220s. for 5-cwt. lots. In paper bags 5-cwt. lots are 212s. 6d.

CHLORIBUTOL.—28-lb. lots are quoted at 10s. per lb.

CHLOROXYLENOL.—B.P. quality is 5s. 3d. per lb. for 1-cwt. lots and 5s. 1d. for 10-cwt.

CREOSOTE.—B.P. quality, ex beechwood, is from 6s. 9d. to 7s. 6d. per lb.

CRESOL.—Price of B.P. quality from distillers is 7s. 9d. per gall. in 5-gall. lots.

DIPHENAN.—Prices range from 55s. 3d. (56-lb.) to 63s. (1-lb.) per lb.

EMETINE.—Price for 32-oz. lots of the HYDROCHLORIDE is 270s. per oz. The BISMUTH IODIDE is 127s. per oz.

ETHER.—Per lb. in winchesters:—TECHNICAL B.S.S., and SOLVENT, 5-cwt. 2s. 7d.; (4s. 1½d. litre). In drums the price is 2s. 2d. per lb. ANÆSTHETIC, B.P., 5-cwt., 3s. 10d.; 10-cwt. 3s. 9d.

HYDROCYANIC ACID. — Dilute B.P.C. is from 3s. 2d. to 4s. per litre, as to quantity; Scheeles is from 3s. 10d. to 4s. 9d.

HYDROGEN PEROXIDE. — 27.5 per cent. (by weight), £119 per ton; 35 per cent., £143 in returnable carboys.

HYDROQUINONE.—Quotations for 1-cwt. lots are 11s. 6d. per lb. or 25s. 4d. per kilo.

HYPOPHOSPHITES.—Prices per lb. are:—

	7 lb.	28 lb.	1 cwt.
	s. d.	s. d.	s. d.
CALCIUM, B.P.C. .	6 9	6 4	5 11
IRON, B.P.C. . .	13 9	13 3	12 9
MAGNESIUM . . .	11 6	11 1	10 8
MAGNESIUM, B.P.C.	13 11	13 5	12 11
POTASSIUM, B.P.C.	9 3	8 10	8 5
SODIUM, B.P.C. .	7 7	7 2	6 9

MAGNESIUM CARBONATE.—Minimum bulk rate for LIGHT is 121s. per cwt.; HEAVY is 160s. per cwt. for 1-cwt. lots and about 130s. per cwt. for 1-ton lots.

MAGNESIUM CHLORIDE. — One-cwt. lots are quoted at 1s. 10d. per lb.; 5-cwt., 1s. 7d.

MAGNESIUM HYDROXIDE.—Makers' prices for B.P.C. are 1-cwt. lots, 3s. 5d. per lb. and 1-ton, 3s. 2d. per lb.

MAGNESIUM OXIDE, B.P.—Bulk rates are as follows:—LIGHT, 3s. 2d. per lb., and HEAVY, 5s. 10d. per lb.

MAGNESIUM PEROXIDE.—Price (per lb.) for 1-cwt. lots of B.P.C. (15 per cent.) is 3s. 11d.

MAGNESIUM SULPHATE.—Quotations for B.P. in minimum 1-ton lots vary between £18 and £21 per ton according to size of crystal and manufacturer. Exsiccated is £42 per ton. All ex works.

MAGNESIUM TRISILICATE. — In 28-lb. packages the prices (per lb.) are now as follows:—28-lb., 4s. 9½d.; 1-cwt., 3s. 10d.; 5-cwt., 3s. 7d.; 1-ton, 3s. 1d.

OXALIC ACID.—Manufacturers' rates for 1-ton lots are from £128 10s. per ton, delivered in free kegs.

PAPAVERINE. — Synthetic HYDROCHLORIDE is 295s. per kilo, minimum 1-kilo lots.

PHENOLPHTHALEIN.—Rate for 1-cwt. lots is 9s. per lb.

PYROGALLIC ACID. — Pure crystals are 22s. 6d. per lb. in 1-cwt. lots; resublimed, 24s. 3d.

QUINIDINE.—Prices are as follows:—

	Home Trade	500 oz. or more	100-400 oz.
		per oz.	per oz.
		s. d.	s. d.
QUINIDINE		7 11½	8 1½
ALKALOID	9 4½	9 6½
GLUCONATE	6 7	6 9
HYDROBROMIDE	6 9	6 11
HYDROCHLORIDE	6 0	6 2
SULPHATE		
HYDROQUINIDINE		11 2	11 4
HYDROCHLORIDE	8 6½	8 8½
GLUCONATE		

For export quinidine alkaloid ranges from £12 12s. 3d. to £12 17s. 4d. per kilo and sulphate from £9 10s. 5d. to £9 15s. 6d.

SANTONIN.—5-kilo lots, 400s. per kilo.

SILVER SALTS. — PROTEIN, 36s. 3d. to 42s. 9d. per lb.; VITELLIN from 68s. 6d. to 76s. 6d. per lb. as to quantity.

Alcohol

BRITISH SPIRIT per proof gall.:—

Ethyl Alcohol: (95 per cent. Gay Lussac. 66 o.p.); where the number of proof gall. taken over any one year ended March 31 is 300,000 or over 4s. 0½d.; 200,000 and less than 300,000, 4s. 0¼d.; 100,000 and less than 200,000, 4s. 1¼d.; 50,000 and less than 100,000, 4s. 1¼d.; 10,000 and less than 50,000, 4s. 2¼d.; 2,500 and less than 10,000, 4s. 2¼d. Prices are exclusive of duty and are for tank wagon lots. In 40-gall. drums there is a surcharge of 1d. per proof gall. The following grades are subject to a premium on the above prices as set out in the next paragraph:—

Absolute Alcohol, 95.5 per cent., 74.5 o.p., 3d. more per proof gall., the special high strength (99.9 per cent., 75.2 o.p.), 5d. more. Doubly Rectified Alcohol (S.V.R.) 95.8 per cent., 68 o.p., is 3d. more and P.I. Rectified Alcohol, 96.1 per cent., 68.5 o.p., 8d. more. R. R. Absolute Alcohol (re-rectified, 99.7 per cent., 75 o.p.), 14s. 10d. per bulk gall. net.

Methylated Spirit

METHYLATORS' rates per bulk gall. in Great Britain are as follows:—

Industrial Methylated spirit: Strength 61 o.p., 500 gall. and over, 5s. 11d.; 100 gall. and under 500 gall., 6s. 2d.; 40 gall. and under 100 gall., 6s. 5d.; 10 gall. and under 40 gall., 6s. 10d.; 5 gall. and under 10 gall., 7s. 3d. Strength 64 o.p., ½d. per gall.; 66 o.p. (B.P.), 1d.; 68 o.p., 3½d. more than the above rates with 74 o.p. at 6s. 8½d., 6s. 11¼d., 7s. 2¼d., 7s. 7¼d. and 8s. 0¼d. per gall. for similar quantities. Tank wagon delivery is 1½d. per gall. off list price—minimum, 500 gall. For industrial methylated spirit of standard toilet quality prices are from 7s. 2¼d. (tank wagon) for 500 gall. to 8s. 8d. for 5-10 gall. (in drums) for 61 o.p.

Pyridinised industrial methylated spirit: Strength, 66 o.p., 500 gall. and over, tank wagon delivery, 6s. 2d.; 100 gall. and under 500 gall. (in drums), 6s. 6½d.; 40 gall. and under 100 gall., 6s. 9½d.; 10 gall. and under 40 gall., 7s. 2¼d.; 5 gall. and under 10 gall., 7s. 7¼d.

Mineralised methylated spirit: Strength 64 o.p. in one delivery, 100 gall. and under 500 gall., 6s. 6¼d.; 40 gall. and under 100 gall., 6s. 9¼d.; 10 gall. and under 40 gall., 7s. 2¼d.; 5 gall. and under 10 gall., 7s. 7¼d.

Methylated resin finish is 3d. per gall. over and methylated shellac finish is 1s. per gall. over the prices of pyridinised methylated spirit.

Terms:—Deliveries free and carriage paid on returned empties; net cash.

Crude Drugs

ACONITE.—Spot supplies of Spanish *napellus* are 2s. 6d. per lb.

AGAR.—Kobe No. 1 is 10s. 6d. per lb., duty paid; new-crop for shipment, 8s. 10d., c.i.f.

ALOES.—Cape prime on the spot is 220s. per cwt. and for shipment, 195s., c.i.f. Curaçao, 495s., spot.

BALSAMS.—Quotations per lb. are:—CANADA: Spot, 23s. COPAIBA: Para from 7s. 6d., duty paid. PERU: Scarce at origin. Spot, 10s. 3d. in bond. TOLU (genuine as imported): 17s. 6d., spot and 16s., c.i.f.; B.P., 15s. 3d.

BELLADONNA.—Herb is 8s. 3d. per lb. on the spot. Root is 1s. 6d. spot; shipment, 1s. 3d., c.i.f.

BUCHU.—Spot rounds are 6s. per lb. and new-crop for shipment, 5s. 4½d., c.i.f.

CAMPHOR.—B.P. POWDER is from 4s. 3d. per lb., duty paid. TABLETS, ¼-oz., are 5s. 6d. in bond.

CARDAMOMS.—Aleppy greens, spot, 14s. 6d. per lb.; forward shipment, 13s. 6d., c.i.f. Seeds, spot, 24s., shipment, 19s. 6d., c.i.f.

CASCARA.—Spot 1958 peel, 225s. per cwt., shipment, 200s., c.i.f.

CHERRY BARK.—Thin natural is 1s. 5d. per lb., and rosted is 1s. 11d.

CINNAMON.—Ceylon for shipment (c.i.f.) per lb.; OOOO, 6s. 8d.; OOO, 6s. 6½d.; OO, 6s. 3½d.; seconds, 4s. 8½d.; featherings, 1s. 11½d.; quillings, 3s. 11d.; chips, 1s. 1d.

COCHINEAL.—Silver-grey Peruvian on the spot from 5s. 6d. to 6s. 3d. as to quantity; Canary Isles black-brilliant, about 17s. 9d.; silver-grey, 15s., spot.

ELEMI.—Spot from 1s. 10½d. per lb.

FRANGULA.—Spot is 105s. per cwt.

GINGER.—African, 130s. per cwt. spot and 130s. (new crop), c.i.f. Jamaican No. 3, spot, 260s. and shipment 250s., c.i.f. Cochinchina spot 130s.; shipment, 145s., c.i.f.

HENNA.—Indian 80s. per cwt., ex wharf; shipment, 70s., c.i.f.

HONEY.—Australian light-amber is 105s. to 110s. and medium amber 100s. to 105s. Argentine, 115s. to 120s.; Jamaican, 120s. to 125s.; New Zealand clover, 170s., nominal; all per cwt. on the spot.

IPCACUANHA.—Shipment March-April (c.i.f.) Matto Grosso, 51s. 6d. per lb.; Colombian, 53s. 6d.; Nicaraguan, 67s. 6d.

KOIA NUTS.—Jamaican spot market cleared, shipment, 7d. per lb., c.i.f. African 5d. to 5½d. spot and 4d., c.i.f.

KRAMERIA.—Root is quoted at 90s. per cwt.

LIQUORICE.—Natural root; Persian on the spot is 50s.; for shipment, 42s. 6d., c.i.f., per cwt. Black juice: Anatolian and Chinese, 190s. per cwt., Italian stick from 310s. to 476s. per cwt. Spray dried extract, 3s. per lb.

LOBELIA HERB.—Spot offers of American are 3s. 9d. per lb. and for shipment, 3s. 6d., c.i.f. Dutch 3s. 1d., c.i.f. for shipment; spot, 3s. 5d.

LYCOPodium.—Russian triple-sifted for shipment, 25s. per lb., c.i.f., nominal.

MENHOL.—Chinese is nominally at 57s. 6d. per lb., duty paid; Brazilian, spot, 35s. 6d., duty paid, March shipment, 34s. 9d., c.i.f. Formosan for shipment, 38s. to 39s., c.i.f.

NUTMEGS.—West Indian 80's 17s. per lb., spot; sound unassorted, 12s. 6d.; defectives, 8s. 9d.

ORANGE PILL.—Scarce. Spot: Sweet ribbon, 2s. per lb.; bitter quarters: West Indian, 1s.; Spanish, 1s. 8d.

PAPAIN.—East African, 20s. per lb., c.i.f., for grade one, spot, 22s. Belgian Congo, 17s. 6d., c.i.f.

PEPPER.—White Sarawak spot, 3s. 2½d. per lb., March-April shipment, 3s. 1½d., c.i.f.; Black Sarawak spot, 1s. 10½d., nominal; March-April shipment, 1s. 9d., c.i.f. Black Malabar new-crop for March-April shipment up to 230s., c.i.f., quoted, spot, 240s.

PODOPHYLLUM.—*Emodi*: 230s. per cwt., c.i.f., shipment. *Peltatum*, on the spot, 4s. 3d. per lb.; shipment, 450s. per cwt., c.i.f.

PYRETHRUM.—Extract, minimum 25 per cent. w/w pyrethrins, is 75s. per lb. for small lots.

QUASSIA.—Shipment offers are at 39s. per cwt., c.i.f.

QUILLAIA.—Spot offers of whole bark at 130s. per cwt.; cut, 170s.; crushed, 165s. Whole for shipment, 95s., c.i.f.

RAUWOLFIA.—*Canescens*, 3s. 6d. per lb., c.i.f.; *Vomitaria*, 2s. 3d., c.i.f.; *Serpentina*, 6s., c.i.f. asked.

RHUBARB.—Chinese small rounds 6d. 4½d. to 6s. 9d. Best grades not available on spot.

SAFFRON.—Spanish is quoted at 200s. per lb.

SARSAPARILLA.—Jamaican native red on the spot is 2s. 9d. per lb. Shipment, 2s. 4d., c.i.f.

SEEDS.—(Per cwt.). ANISE.—Spanish, 160s.; Turkish, 140s., both duty paid. CARAWAY.—Dutch in poor demand, 120s. quoted, duty paid. CELERY.—Indian, spot, 165s.; prompt shipment easier at 137s. 6d. and new crop for June-July at 127s. 6d., c.i.f. CORIANDER.—Moroccan, 52s. 6d., spot, duty paid; shipment, 43s. 6d., c.i.f. CUMIN.—Iranian on spot firmly held at 250s., in bond and 265s., duty paid. Shipment: Iranian quoted only at 250s.; Cyprian, 260s. DILL.—Indian nominal on spot at 80s.; shipment, 62s. 6d., c.i.f. FENNEL.—Chinese, 140s., duty paid and Indian, 130s. FENUGREEK.—Moroccan in poor demand at 44s., duty paid; shipment unchanged at 34s. 6d., c.i.f. MUSTARD.—English quoted at 125s.

SENEGA.—Spot offered at 14s. 6d. per lb.; shipment 15s., c.i.f., asked.

SENNA.—*Tinnevelly* LEAVES, prime No. 1, 1s. 5d. per lb., f.a.q., No. 3, 10d. PODS: Manufacturing (f.a.q.) 1s. 3½d. and hand-picked, 1s. 9d. to 2s. 2d. *Alexandria* pods: Manufacturing, offered from 1s. 6d. with hand-picked from 4s. to 6s. 6d.

SHELLAC.—F.O.T.N. 177s. 6d. per cwt., F.O. No. 1, 207s. 6d.; fine orange, 215s. to 265s.

SUIPPERY ELM.—Grinding quality bark is 2s. 7d. per lb.

SQUILL.—White is quoted at 85s. per cwt. on the spot.

SIRAMONIUM.—Indian LEAVES 60s. per cwt., spot. Dutch 0.5 per cent. alkaloid, 94s., c.i.f.

STYRAX.—Spot, 27s. per lb., afloat, 26s., c.i.f.

TONQUIN BEANS.—Para on the spot are offered at 8s. 3d. per lb. Angostura, 11s.

TRAGACANTH.—No. 1 ribbon is £115 to £120 per cwt. No. 2, £105 to £110.

TURMERIC.—Madras linger is 85s. on the spot; new crop for March-April shipment, 80s., c.i.f.

VALERIAN ROOT.—Spot: Indian (with rootlets) is 130s. and Belgian, 175s. to 195s. per cwt. Dutch (max. 2½ per cent. sand) for prompt shipment, 159s., c.i.f.

VANILLIN.—Rates (per lb.) are now:—5-cwt. lots, 25s. 3d.; 1 cwt., 25s. 6d.; 56-lb., 25s. 9d.; smaller quantities, 26s.

WAXES.—(Per cwt.). BLES.—Dar-es-Salaam, spot, 480s.; shipment, 465s., c.i.f. Abyssinian, spot 450s. in bond; shipment, 420s., c.i.f. Benguela spot, nominal; shipment, 405s., c.i.f. CANDLELILLA.—Spot 460s. CARNAUBA.—Fatty grey spot, 580s.; for shipment, 575s., c.i.f. Prime yellow, spot, 910s.; shipment, 885s., c.i.f.

Essential and Expressed Oils

ALMOND.—British oil is 9s. per lb. Moroccan, 6s. 9d., in bond.

AMBER.—Rectified on the spot is 1s. 6d. per lb.

ANISE.—Chinese, 8s. 3d. per lb., spot; shipment, 8s., c.i.f.

BAY.—West Indian is 12s. 6d. per lb. on the spot.

BERGAMOT.—Spot supplies are from 86s. 6d. per lb.

BOIS DE ROSE.—Brazilian is 14s. per lb. on the spot and 13s., c.i.f.

CADE.—Spanish is 2s. 6d. per lb. for drum lots.

CAJUPUT.—Spot supplies are from 10s. per lb.

CALAMUS.—Spot quotations are 62s. 6d. per lb.

CAMPHOR, WHITE.—Chinese is 1s. 9d. per lb. in bond.

CHENOPODIUM.—Spot value is 38s. per lb. for original containers.

CITRONELLA.—Ceylon, spot is 3s. 9d. shipment, 3s. 5d., c.i.f. Formosan, spot 4s., in bond, shipment, 3s. 8d., c.i.f.

COD-LIVER.—B.P. is 11s. 6d. per gall. in charged returnable drums. Veterinary is from 9s. 6d. per gall.

GERANIUM.—Bourbon is 112s. 6d. per lb. on the spot and 110s., c.i.f. Algerian, 92s. 6d.

LEMONGRASS.—Spot 6s. 1½d. per lb., and shipment, 5s. 10½d., c.i.f.

PATCHOULI.—Penang is 21s. 6d., duty paid and 18s. 6d., c.i.f., per lb.

PENNYROYAL.—Spot is quoted from 17s. per lb., duty paid.

PEPPERMINT.—*Arvensis*: Chinese is 27s. per lb. spot nominal; shipment not offering. Brazilian, 8s. spot, and 7s. 10½d. c.i.f. Formosan, 16s. 6d., spot; March-April shipment, 16s., c.i.f. *Piperita*: Italian "Mitcham-type" from 42s. 6d. to 50s.; American 27s. 6d. to 30s., as to origin.

PETITGRAIN.—Paraguay is offered at 17s. 6d. per lb. on the spot; 16s., c.i.f.

PIMENTO.—English-distilled berry is 180s. per lb.; imported, 77s. 6d. Rectified leaf, 27s. 6d. per lb. for small lots.

PINE.—*Pumilionis* on the spot is 16s. per lb.; *sylvestris*, 25s.; Siberian (*abietis*), 12s. 6d.

ROSEMARY.—Spanish is 8s. 6d. per lb. on the spot for best quality.

RUE.—Spanish is 25s. per lb. on the spot.

SAGE.—Spanish is 9s. 9d. per lb.; Dalmatian, 37s. 6d.

SANDALWOOD.—Mysore offered from 82s. 6d. to 85s. per lb. as to source, East Indian, 82s. 6d., spot.

SASSAFRAS.—Brazilian is from 3s. 6d. per lb., duty paid.

SPEARMINT.—Offers of U.S.P. grade are from 37s. 6d. to 42s. 6d. per lb., spot. Chinese, 27s. 6d., spot and 25s., c.i.f. per lb. nominal.

TANGERINE.—Hand-pressed is 55s. per lb. and machine-pressed, 42s. 6d.; others, 28s. to 29s. on the spot.

VETIVERT.—Spot is currently at about 80s. per lb.

YLANG YLANG.—Spot is from 32s. 6d. to 46s. per lb. as to grade.

UNITED STATES REPORT

NEW YORK, MARCH 10: Among CRUDE DRUGS, ANGELICA ROOT declined 10 cents to 70 cents a lb. RHODINOL dropped \$3 to \$25 a lb. Lower per lb. among ESSENTIAL OILS, were ROSEMARY at 95 cents, down 10 cents; East Indian SANDALWOOD at \$13.35, down 15 cents; and ABIETIS at \$2.95 down five cents.

TRADE MARKS**APPLICATIONS ADVERTISED
BEFORE REGISTRATION**

From the "Trade Marks Journal," February 25

For pharmaceutical preparations for the treatment of ingrowing toenails (5)

ONIXOL, B750,073, by Scholl Mfg. Co., Ltd., London, E.C.1.

For pharmaceutical preparations in liquid or tablet form for use in the alleviation of coughs (5)

TUSSIONEX, 778,830, by R. J. Strascenburgh Co., Rochester, New York, U.S.A.

For pharmaceutical preparations in tablet form (5)

SINOTABS, 779,638, by Optabs, Ltd., Bradford, Yorks.

For pharmaceutical preparations and substances in tablet form for oral administration (5)

ALLITRIN, 779,728, by Allied Laboratories, Ltd., London, W.1.

For all goods (5)

NEMODON, 781,823, by Ward Blenkinsop & Co., Ltd., London, W.C.1.

For pharmaceutical preparations and substances for human and veterinary use; and sanitary substances and disinfectants (5)

MEZAPRIN, 782,746, by Imperial Chemical Industries, Ltd., London, S.W.1.

For pharmaceutical preparations for human use (5)

TARUGAN, 782,979, by Ravensberg G.m.b.H., Zurich, Switzerland.

For pharmaceutical preparations for the treatment of hypertension, obesity and abnormal blood pressure (5)

FILON, 782,981, by Ravensberg G.m.b.H., Zurich, Switzerland.

For pharmaceutical preparations for use in the treatment of colds and coughs (5)

TUSSNIP, 783,434, by Albert Harold Williams, Neath, Glamorganshire.

For flashlamps for photographic purposes (9)

COMBINETTE, 781,980, by Julius Joseph Silber, London, W.C.1.

From the "Trade Marks Journal," March 4

For preparations for preventing the condensation of moisture on dental mirrors and spectacle lenses (1)

OPTICLAR, 783,801, by James Rouse, Ltd., Sheffield, 1.

For non-medicated toilet preparations, cosmetics and perfumes (3)

Device, PRINCE ARTCHIL GOURIELLI, device with word GOURIELLI, device with words PRINCE GOURIELLI, PRINCE GOURIELLI, GOURIELLI, device with words PRINCE ARTCHIL GOURIELLI, 747,862-68, by Prince Artchil Gourielli, Manhattan, New York, U.S.A.

For soaps, perfumes, non-medicated toilet preparations; essential oils, cosmetics, hair lotions; and dentifrices, etc. (3); and for appliances (in the nature of syringes) for applying toilet preparations in liquid or paste form

SPARBOY, 775,444 and 771,535 by Goldwell, G.m.b.H., Chemische Fabrik H.E. Dotter, Darmstadt-Eberstadt, Germany.

For cleaning preparations, soaps and non-saponaceous detergents (not for use in industrial or manufacturing processes) (3)

SALUTE, 780,865, by Deb Chemical Proprietaries, Ltd., Belper, Derbys.

For preparations for setting the hair (3)

SECRET SET, B781,068, by A. B. Curtis & Co., Ltd., London, E.C.4.

For cosmetic preparations (not being toilet preparations) made wholly or principally of silk; and brilliantine, hair lotions, non-saponaceous toilet shampoos, dentifrices and perfumes (3)

SILKET, B781,209, by Thames Industries, Ltd., London, E.C.4.

For perfumes, toilet preparations (not medicated), cosmetic preparations, dentifrices, depilatory preparations, toilet articles (not included in other classes); sachets for use in waving the hair, soaps and essential oils (3)

IMPERIAL GUARD, 783,927, by Cussons, Sons & Co., Ltd., Kersal, Manchester, 7.

For pharmaceutical preparations (5)

Devices with word GEROLAN, 766,621 and 766,623, by Tobal Products, Inc., Chicago, Illinois, U.S.A. RYNATAN, 783,173, by Irwin, Neisler & Co., Decatur, Illinois, U.S.A.

For all goods (5)

ALNATEX, 775,542, by Modern Health Products, Ltd., Chessington, Surrey. LOMU, 781,443, by Bengel Laboratories, Ltd., Holmes Chapel, Ches. ROVIBE, 783,410, by Roche Products, Ltd., Welwyn Garden City, Herts. SYMPATOVIT, 783,774, by C. H. Boehringer Sohn, Ingelheim-on-Rhine, Germany.

For sanitary towels (5)

FEMANA, 778,418, by Cyril Lord, Ltd., London, W.1.

For pharmaceutical preparations and substances, all for internal use (5)

APHTINE, 778,525, by A.B. Astra, Apotekarne Kemiska Fabrikan, Sodertalje, Sweden.

For pharmaceutical substances for human and veterinary use; and sanitary substances and disinfectants (5)

LUBRICIL, 780,317, by Imperial Chemical Industries, Ltd., London, S.W.1.

For disinfectants (5)

GRENCOL, 778,884, by Santé Products, Oadby, nr. Leicester.

For medicated beverages and preparations for making such; and infants' and invalid's foods (5)

BIOBALM, 780,535, by Modern Health Products, Ltd., Chessington, Surrey.

For vacuum flasks and insulated containers for foodstuffs (21)

AVAX, 782,596, by British Vacuum Flask Co., Ltd., London, W.C.1.

For devices for containing and dispensing cleansing preparations in liquid or semi-liquid form, hair creams, hand creams and the like (21)

SPENSO, 783,201, by Deb Chemical Proprietaries, Ltd., Belper, Derbys.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, March 16

BIRKENHEAD AND WIRRAL ASSOCIATION and BRANCH, PHARMACEUTICAL SOCIETY, Central hotel, at 8 p.m. Dr. J. W. Jones on "Life History of the Salmon."

ENFIELD ASSOCIATION and BRANCH, PHARMACEUTICAL SOCIETY, Enfield Arms, at 7.30 p.m. Mrs. F. Perry on "Myddleton House Gardens." ROMEORD BRANCH, PHARMACEUTICAL SOCIETY, Unicorn, Gidea Park, at 7.45 p.m. "Brains trust."

SOCIETY OF COSMETIC CHEMISTS, Beckton gas works (by-products), East Ham, London, E.6, at 2.15 p.m. Visit.

WEST MIDDLESEX ASSOCIATION and BRANCH, PHARMACEUTICAL SOCIETY, Town hall, Ealing, London, W.5, at 8 p.m. Miss E. McDonald (J. & E. Atkinson, Ltd.) on "The History and Development of Modern Perfumery."

Tuesday, March 17

HARROW BRANCH, PHARMACEUTICAL SOCIETY (Uxbridge meeting), Chequers hotel, High Street, Uxbridge, at 8 p.m. Dr. F. A. Robinson (research director, Allen & Hanburys, Ltd.) on "Insulin and the Future of Diabetic Treatment." At 7 p.m., informal supper party (telephone Miss W. M. Flowerdew, Uxbridge (UX5) 3053 by March 14 if able to attend).

HERTEORD BRANCH, PHARMACEUTICAL SOCIETY, Secondary school, Mangrove, Hertford, at 8 p.m. Mr. J. M. Kirkness (deputy secretary, Association of British Pharmaceutical Industry) on "European Free Trade and the Common Market."

MANCHESTER BRANCH, GUILD OF PUBLIC PHARMACISTS, Engineers' club, at 6.30 p.m. Mr. W. W. Heseltine (E. R. Squibb & Sons, Ltd.) on "The Steroid Hormones."

NORTH LONDON ASSOCIATION and NORTH METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, Beale's restaurant, Holloway Road, London, N.7, at 8 p.m. Mr. T. C. Thomas on "A Visit to the Soviet Union."

NORTH STAFFS BRANCH, PHARMACEUTICAL SOCIETY, North Stafford hotel, Stoke-on-Trent, at 7.30 p.m. Dr. J. G. Dare on "The Accuracy of Dispensing."

OIL and COLOUR CHEMISTS' ASSOCIATION, new hall, Royal Horticultural Society, Westminster, London, S.W.1. Technical exhibition (ends March 19).

PORTSMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Royal Beach hotel, South Parade, Southsea, at 8 p.m. Golden Jubilee banquet.

TEES-SIDE BRANCH, PHARMACEUTICAL SOCIETY, Vane Arms hotel, High Street, Stockton-on-Tees, at 7.45 p.m. Film show.

Wednesday, March 18

BIRMINGHAM ASSOCIATION and BRANCH, PHARMACEUTICAL SOCIETY, Botanical Gardens, Edgbaston, at 7 p.m. Annual dinner and dance.

EAST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, and WEST HAM ASSOCIATION, Ross Wyld hall, Walthamstow, at 8 p.m. Mr. B. J. Thomas (Allen & Hanburys, Ltd.) on "Some Aspects of Pharmaceutics."

LONDON BRANCH, BRITISH COMPUTER SOCIETY, LTD., Northampton College of Advanced Technology, St. John Street, London; E.C.1, at 6.15 p.m. Mr. C. E. G. Bailey on "An

Approach to Learning and Teaching Machines." LONDON BRANCH, GUILD OF PUBLIC PHARMACISTS, Wellcome building, 183 Euston Road, London, N.W.1, at 7 p.m. Dr. G. B. West (School of Pharmacy, University of London) on "The Naturally Occurring Amines."

LEEDS BRANCH, PHARMACEUTICAL SOCIETY, Griffin hotel, Boar Lane, Leeds, 1, at 7 p.m. Annual dinner.

LONDON SECTION, ROYAL INSTITUTE OF CHEMISTRY, William Beveridge hall, Senate house, University of London, at 5.30 p.m. Debate "That the Education of our Future Rulers Should be Primarily in the Sciences Rather than the Humanities."

SCIENTIFIC FILM ASSOCIATION, Mezzanine Cinema, Shell-Mex House, Strand, London, W.C.2, at 6.30 p.m. Symposium: "Recent Developments in Research Film."

SOUTH LONDON AND SURREY PHARMACISTS' GOLE-INO SOCIETY, Purley Downs Golf Club, Purley Downs Road, Purley, at 1.30 p.m. Stableford competition followed by general meeting.

STOCKPORT BRANCH, PHARMACEUTICAL SOCIETY, Deanwater hotel, Woodford, Ches, at 7.30 p.m. Supper dance.

SWANSEA AND WEST GLAMORGAN BRANCH, PHARMACEUTICAL SOCIETY, Talbot room, Mackworth hotel, at 7.45 p.m. Dr. K. R. Capper on "The Work of the Society's Scientific Publications Department and Laboratory."

Thursday, March 19

LONDON SECTION, SOCIETY OF CHEMICAL INDUSTRY, William Beveridge hall, Senate house, University of London, at 2.15 p.m. Symposium on "Costing in the Chemical Industry," and on Friday, March 20.

NORTH GLOUCESTERSHIRE BRANCH, NATIONAL PHARMACEUTICAL UNION, Gloucestershire Dairy café, Promenade, Cheltenham, at 7.30 p.m. Address by Mr. G. H. M. Graham (a member of the N.P.U. Executive).

ROMEORD BRANCH, PHARMACEUTICAL SOCIETY, King's Head, Romford Market Place, at 1 p.m. (to join coach). Factory visit to Goya, Ltd., Amersham, Bucks.

THAMES VALLEY ASSOCIATION and BRANCH, PHARMACEUTICAL SOCIETY, Kingston hotel, Kingston-on-Thames, at 7.45 p.m. Mr. J. H. Oakley on "The Newer Look in Pharmaceutics."

WESTERN PHARMACISTS' ASSOCIATION and WEST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, Connaught rooms, Great Queen Street, London, W.C.2, at 6.30 p.m. Annual dinner and dance.

Friday, March 20

NORWICH BRANCH, PHARMACEUTICAL SOCIETY, City College, Ipswich Road, Norwich, at 7.45 p.m. Dr. F. E. Camps (Home Office pathologist) on "Poisoning—Accident, Suicide, or Murder?"

ROYAL COMMERCIAL TRAVELLERS' SCHOOLS, Trocadero restaurant, Piccadilly, London, W.1. Festival dinner.

SCOTTISH DEPARTMENT, PHARMACEUTICAL SOCIETY, 36 York Place, Edinburgh, at 7.45 p.m. Dr. J. B. Stenlake (Royal College of Science and Technology, Glasgow) on "A Survey of Antibiotics, Their Actions and Uses."

TELEVISION

Programme details are given to enable chemists to put in linking-up displays if they wish. Figures in the columns represent number of appearances of the product during the week.

	London	Midland	North	Scotland	Wales	South	N.E.
March 22-28							
Alka-Seltzer ..	2	1	1	—	1	—	1
Anadin ..	4	4	4	4	3	3	3
Andrews liver salt ..	1	1	1	1	1	2	3
Anne French ..	1	1	—	—	—	—	—
Askit ..	—	—	—	12	—	—	—
Aspro ..	1	—	—	—	1	1	3
Beecham's pills ..	—	—	—	—	—	—	3
Bisodol ..	—	—	—	—	4	—	5
Bristow's shampoo ..	—	—	—	—	—	3	1
Bronco toilet rolls ..	—	3	—	—	—	—	—
Camay soap ..	2	2	2	3	2	2	4
Cephos ..	—	—	3	—	—	—	—
Christy's lanoline face pack	2	2	2	2	2	2	2
Delsey toilet rolls ..	—	1	—	1	—	1	—
Diuramil ..	1	1	1	1	2	—	—
Euthymol tooth-paste ..	—	1	—	—	—	—	—
Fennings' Little Healers ..	—	1	2	—	—	1	1
Gibbs' S.R. tooth-paste ..	3	3	3	3	4	3	3
Gillette razors and blades	1	1	1	1	1	1	1
Glymiel jelly ..	14	14	14	—	—	—	—
Horticks ..	3	3	3	2	3	2	3
Ibcol ..	2	2	2	—	2	2	—
Imperial Leather soap ..	3	3	3	3	—	—	3
Iron Jelloids ..	—	—	—	—	3	3	3
Kolynos tooth-paste ..	—	1	1	—	—	—	—
Lanospray ..	2	—	—	1	1	—	—
Loxene hair cream ..	—	—	—	—	2	—	5
Loxene medicated shampoo	2	2	2	2	2	2	2
Maclcan's tooth-paste ..	—	—	—	2	1	—	1
Marigold baby pants ..	—	—	—	—	1	—	—
Marigold house gloves ..	2	1	1	1	1	1	1
Max Factor preparations ..	3	3	4	4	4	3	3
Milk of Magnesia ..	—	1	1	—	2	1	1
Milk of Magnesia tablets	2	—	1	1	—	—	—
Milpar ..	—	2	—	—	—	—	—
Pepsodent tooth-paste ..	2	—	—	—	—	—	—
Phensic ..	—	—	—	—	—	—	3
Phosferine ..	—	—	—	—	—	—	1
Preparation H ..	—	—	—	—	1	—	—
Rinstead pastilles ..	1	—	—	—	1	1	—
Savlon barrier cream ..	1	—	—	—	—	—	—
Sebbix ..	1	2	2	2	—	—	—
Shavex ..	—	2	2	—	—	—	—
Stergene ..	—	—	3	3	—	—	3
Suregrip house gloves ..	2	2	2	1	2	1	2



COLLEGE-OF-SURGEONS PREMIERE: Scene from a film "Life in Emergency Ward 10" (based on the well-known television serial of similar name) which is having its premiere at the Royal College of Surgeons, London, W.C.2, on March 24. The "still" shows Nurse Roberts (Rosemary Miller) preparing an oxygen cylinder for use. The film is by Artistes Alliance (distributors, Eras Films).



SHOWCARD WITH "MOBILE": A new showcard for Trufood cereal food introduced by the manufacturers, Trufood, Ltd., 113 Newington Causeway, London, S.E.1, incorporates a "mobile" (a miniature packet of the food).

Tangee lipstick ..	3	3	3	3	3	3	3
Valderma ..	3	—	3	2	—	—	—
Valrosa ..	—	—	—	—	—	—	1
Vaseline medicated shampoo	5	—	—	—	—	—	—
Vaseline petroleum jelly ..	5	5	5	5	5	5	5
Veno's cough mixture ..	—	—	—	—	—	—	1
Vitapointe ..	2	2	—	—	—	—	—
Vosene shampoo ..	—	—	—	—	1	—	1
Vykmin ..	1	1	1	1	1	—	—
Water lilies shampoo ..	3	—	—	—	—	—	—
Yeast-Vite ..	1	1	1	1	2	—	—
Zeph ..	—	—	—	—	2	—	—
Zubes ..	2	2	2	2	—	—	—



TELEVISION LINK-UP: Showcard produced by Parke, Davis & Co., Ltd., Staines Road, Hounslow, Middlesex, for Euthymol tooth-paste to link with current Press and television advertising.

PRINT AND PUBLICITY

PRESS ADVERTISING

CLAY & ABRAHAM (MFG.), LTD., 2 Upper Duke Street, Liverpool, 1: Susie's Perfect Cleaner. In *Home & Country*, *The Lady*, *Home*, *Woman's Journal*, during coming months.

DENDRON DISTRIBUTORS, LTD., 94 Rickmansworth Road, Watford, Herts: Larson's Swedish milk d'et. In leading women's magazines and national and Sunday newspapers.

KELDON, LTD., Wadsworth Road, Perivale, Middlesex: Optrex eye lotion. In *Daily Telegraph*, *Sunday Express*, *Sunday Dispatch*, *Sunday Graphic*, *Glasgow Sunday Post*, *Mother & Child*, and *Wife & Home*. Optone eye drops. In *Woman's Mirror*. Optrose rose hip syrup. In *Sunday Express*, *Woman's Mirror* and *Glasgow Sunday Post*.

P.C. PRODUCTS, LTD., 33 Union Street, Southwark, London, S.E.1: 1001 cleaner. In *Woman's Realm*, *Woman's Weekly*, *Woman's Illustrated*, *Ideal Home*, *Woman & Home*, *Wife & Home*, *My Home*, *Woman*, *Woman's Own*, *Woman's Day*, *Good Housekeeping*, *Homes & Gardens*, *House Beautiful*, *Housewife*, *News Chronicle* (Northern edition), *Daily Express*, *Daily Mirror*, *London Evening News*, *Scottish Sunday Post*, and in provincial evening newspapers.



TRIPLE CROWNER SHOWCARD: Display-piece prepared by Mondart, Ltd., 49 Park Lane, London, W.1, for their Max packs (air freshener, moth proofers and fly killer).

C. & D. WEEKLY LIST OF PRICES

A = Advanced; R = Reduced; I.R.P. = Inclusive Retail Price; * = Tax 30 per cent.

BURROUGHS WELLCOME & CO.

Styppen venom set of 1 mil	Russell viper	Each	I.R.P.
		4 0	6 0 A
		5 mil	7 4
Fabloid sodium citrate*			11 0 A
		gr. 2 100	1 6
			2 9 A
		gr. 5 100	1 10
			3 4 1/2 A

CANNON RUBBER MANUFACTURERS, LTD.

Children's hot-water bottles:—		
	Noah's Ark series	8 6 R
	Cottage Doll series	8 6 R

INSULEX, LTD.

Insulex plastic bag (thermobag)	25 6 R
	42 6 R

PARKE, DAVIS & CO., LTD.

Chloromycetin tincture	
veterinary aerosol	42 6 R
colourless tincture	
veterinary aerosol	32 6 R

P.A.T.A. LIST

(Alterations notified this week by the Proprietary Articles Trade Association.)

DELETIONS FROM THE LIST

BENBOW'S DOG MIXTURE CO., LTD. All products.

GORDON-MOORE, LTD. Moulin Rouge cosmetic tooth-paste.

E. R. SQUIBB & SONS, LTD. All products.

NEW PRODUCTS AND PACKS

ABBOTT LABORATORIES, LTD.

Compoicillin V oral suspension	16 fl. oz.	87 5	131 2
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BOOTS PURE DRUG CO., LTD.

Hydrocortistab skin lotion			
0.25 per cent.	20 mls	4 3	5 8

CLARNELL, LTD.

Darecets throat lozenges	12	Doz.	20 0	2 6
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INSULEX, LTD.

Two-in-one Insulex bag				115 6
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KLEINERT RUBBER CO.

Savabelt sanitary brief				8 11
rayon				11 6
nylon				11 6

"Quick and Easy" dress shield

				5 11
--	--	--	--	------

LONDON COMMERCIAL ELECTRICAL STORES, LTD.

New Solarette infra-red lamp				50 0
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MOORE MEDICINAL PRODUCTS, LTD.

Codella foam hand cream*				
aerosol	59 0			8 6

NEW HYGIENE, LTD.

Scintinel Quiffette				2 3
refill				1 0

SCRUBB & CO., LTD.

Scrubbs padded cleaner	top 3 oz.			2 0
------------------------	-----------	--	--	-----

STEWART, GOODALL & DUNLOP, LTD.

Nucta egg and lemon shampoo*	plastic tub	6 8		1 0
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In only 2 years Sales Treble wonderful **Sooth-tan** products

What greater wish do we have on holiday than to "go brown" and have a glorious Mediterranean sun-tan before coming home—without going red?

People who use Sooth-tan products avoid "going red"; the powerful sunscreen agents in cream, oil and aerosol actually prevent the reddening rays ever reaching the skin; thus the skin is free to tan rapidly from the browning wavelengths.

Sooth-tan preparations in their startling new packages, provide a choice of very high-class products. Your display of Sooth-tan can really help to *make people's holidays happier.*

The cream is a highly effective product, and the aerosol is quicker to use, easier to spread and lasts longer. Both products have a light, pleasant perfume and each is non-staining and non-greasy. The aerosol silicones *protect even after swimming.*

Sales have trebled in two years. **BUY YOUR BONUS NOW.**

a



Cupal Ltd

Pharmaceutical Product

CUPAL LTD. • BLACKBURN • LANCs

Sooth-tan is a Registered Trade Mark

EVERY SHEEP FARMER IN THE U.K. IS BEING TOLD ABOUT

'Frantin'

Contains
Bephenium Embonate 30%
Bephenium
Hydroxynaphthoate 60%

BRAND

DISPERSIBLE POWDER

THE ONLY PROTECTION AGAINST NEMATODIRUS; ALSO HIGHLY EFFICIENT AGAINST THESE OTHER SERIOUS WORM PARASITES IN THE UNWEANED LAMB:

Trichostrongylus axei, Haemonchus contortus, Ostertagia species, Cooperia species.

There is no worm preparation as effective as 'Frantin'. Its discovery by the Wellcome Research Laboratories represents a tremendous step forward in sheep husbandry. Today, deaths from deadly Nematodirus Infestation *can* be prevented and the retarding effects of other worm parasites soon halted by dosing unweaned lambs with 'Frantin'.

Lambs treated with 'Frantin' are healthier, heavier and more profitable to the farmer.

PLACE
YOUR
ORDER
NOW
FOR
DELIVERY
IN APRIL

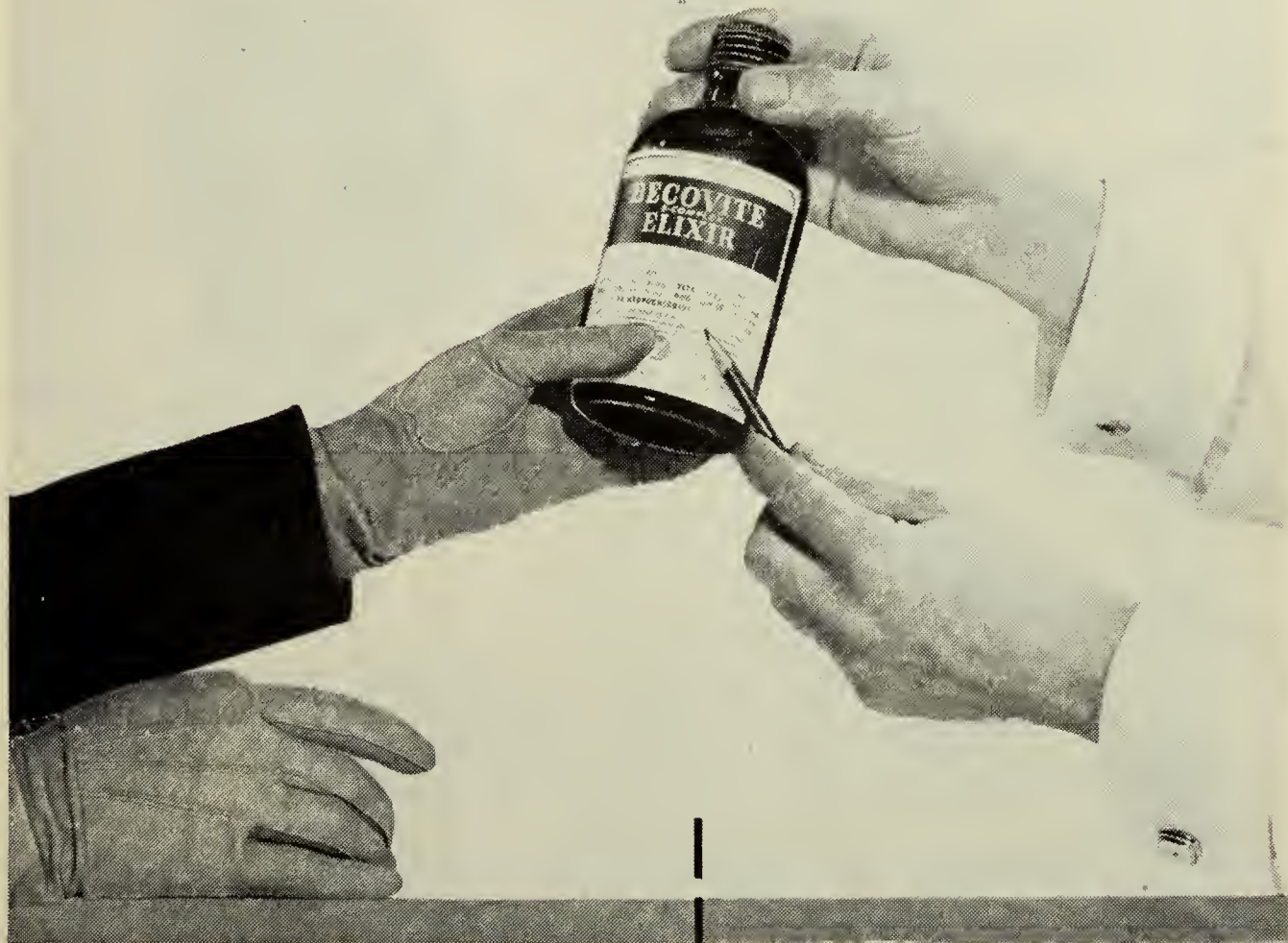
Issued in bottles of 250 gm.



Discovered by the Wellcome Research Laboratories

BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.)
The Wellcome Building, Euston Road, London, N.W.1. Tel. Euston 4477
and 18 Merrion Square, Dublin. Tel. 65751/2

*Becovite Elixir
speeds Recovery
after illness*



Becovite Elixir is valuable to your customer . . .

because, containing a high concentration of the vitamin B complex, it promotes speedy recovery after illness. It is especially useful in stimulating appetite and promoting a sense of well-being after such illnesses as influenza and pneumonia. It also has a very pleasant flavour.

Becovite Elixir is valuable to you . . .

because it is such an excellent tonic, that every bottle you sell ensures you a grateful customer.

<i>Packs and prices</i>	RETAIL	N.H.S.
6 fl. oz.	7/1½	4/9
40 fl. oz.	39/-	26/-

FORMULA:

Each fluid ounce contains:

- Aneurine Hydrochloride B.P. 20 m.g.
- Riboflavine B.P. 10 m.g.
- Pyridoxine B.P.C. 5 m.g.
- Nicotinamide B.P. 50 m.g.
- Strychnine hydrochloride B.P. } 1/25th gr. (2.4 m.g.)

Becovite Elixir

VITAMINS FROM VITAMINS LIMITED
UPPER MALL, LONDON, W.6

GLYCEROPHOSPHATES?

Morsons will know!

When you have specialised for over a century, you may fairly claim to know your subject. And that is precisely our position today. For more than a hundred years, Morsons have been making chemicals for industry and the pharmacist; and this long experience has resulted in the technical supremacy which is self-evident in every Morson product.

**GLYCEROPHOSPHORIC ACID
20% B.P.C.**

**CALCIUM GLYCEROPHOSPHATE
B.P.C.**

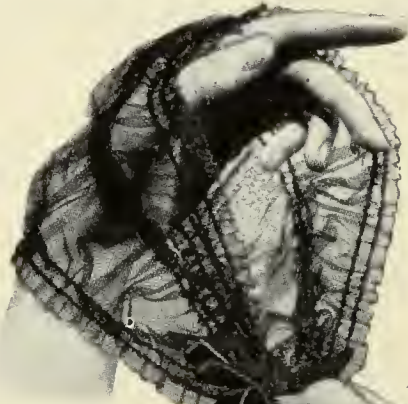
**MAGNESIUM
GLYCEROPHOSPHATE B.P.C.**

**SODIUM GLYCEROPHOSPHATE
100% AND 50% B.P.C.**

If you have a chemical problem, Morsons are at all times glad to place their knowledge and technical resources at your disposal.

THOMAS MORSON & SON LTD.
Ponders End, Middlesex

Ladye Jayne Slumber Helmets



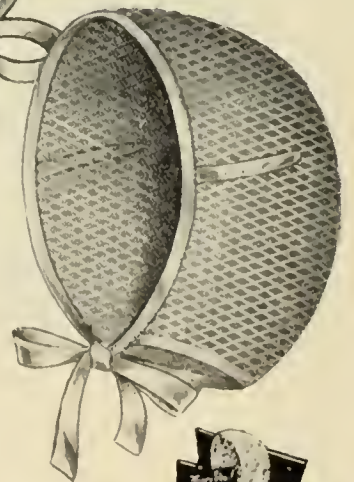
0562
Perm Protector in Flame-proof Nylon Net. Elasticated to fit any size head; with Satin

Ribbon Ties so that Protector may be placed over "set" without disarranging hair. Available Pink, Blue and Black. 39/- per dozen. Also available with Button Fastening.

Wake up Sales!



LJ.167
Slumber Helmet in assorted Laces. Rayon Ribbons. Pink, Blue, Green and Rosewood. 35/6 per dozen.



LJ.560
Slumber Helmet in Nylon Tricot. Rayon Ribbons. Pink and Blue. 32/- per dozen.

Catalogue on request

Order from your wholesaler!



**MANUFACTURERS
LAUGHTON & SONS LTD.
WARSTOCK ROAD, BIRMINGHAM 14.**

M+P

**-the
recognised
house for
ETHICALS
in the
North-East**

**MAWSON & PROCTOR
PHARMACEUTICALS LTD**

Low Friar Lane, Newcastle-on-Tyne 1

Telephone 29751/7 8 lines



A powerful synergistic combination

TARCORTIN CREAM

For sub-acute and refractory
skin affections

Treatment of sub-acute and refractory skin affections can now be considerably enhanced by combining tar, an established germicide, stimulus and anti-pruritic, with hydrocortisone as in TARCORTIN. Together, the medicaments have pronounced advantages over either one alone.

TARCORTIN CREAM is non-greasy, stainless and hydrophilic and is supplied in 7 gm. and 15 gm. tubes containing 0.5% Hydrocortisone in a special coal-tar extract.



STAFFORD-MILLER LIMITED

Manufacturing Chemists
HATFIELD · HERTS · ENGLAND

NEW
PAEDIATRIC
ANTIPYRETIC
ANALGESIC



For the prompt
reduction of
Fever
and relief of
pain in children

'ENERIL'
Trade Mark
brand of Paracetamol Elixir

Presentation: Bottles of 4 fl. oz. and 40 fl. oz. (Dispensing Pack).

Basic N.H.S. Price:
4-oz. pack, 4/2; 40-oz. pack, 30/7
(exempt from Purchase Tax)

Literature on request



ASPRO-NICHOLAS LTD

ETHICAL PHARMACEUTICAL DIVISION Slough, Bucks, England

Manufactured by a subsidiary company—A. & G. NICHOLAS LTD., SLOUGH.

'ENERIL,' a new paediatric elixir, is a stable preparation suitable for the reduction of fever and pain in children. 'ENERIL' provides accurate effective dosage, in pleasantly-flavoured form readily acceptable by children. It does not produce gastric irritation. Indicated in all conditions where antipyresis and analgesia are required. There are no contra-indications to 'ENERIL.'

Each teaspoonful (4ml.) contains:
120 mg. Paracetamol (N-acetyl-p-aminophenol).

Dosage: Infants under 12 months, $\frac{1}{2}$ teaspoonful (2 ml.)

Children 1-4 yrs. $\frac{1}{2}$ to 1 teaspoonful (2-4 ml.)

„ 4-8 yrs. 1 to 2 teaspoonfuls (4-8 ml.)

„ 8-12 yrs. 2 teaspoonfuls (8 ml.)

To be given every 4-6 hours or as directed by the physician.



For
**AN INJECTION-FREE FUTURE
IN PERNICIOUS ANAEMIA**

'DISTIVIT'

vitamin **B₁₂** PEPTIDE complex

AN ORIGINAL PRODUCT OF DC(B)L RESEARCH

- efficiently absorbed after oral administration
- clinically as effective as injection of crystalline vitamin B₁₂
- free from toxicity; no unpleasant taste

'DISTIVIT' brand vitamin B₁₂ peptide complex, backed by clinical investigation,* is an oral preparation that is efficiently absorbed and which restores the normal blood picture in pernicious anaemia as effectively and consistently as does crystalline vitamin B₁₂ administered by the parenteral route.

'DISTIVIT' oral vitamin B₁₂ PEPTIDE complex should not be confused with mixtures of crystalline vitamin B₁₂ with intrinsic factor or other absorption additives.

'Distivit' 20

Each scored tablet contains 20 micrograms combined vitamin B₁₂ in the form of a peptide complex.

Tubes of 25 and bottles of 100 tablets.

'Distivit' 100

Each tablet contains 100 micrograms of vitamin B₁₂ in the form of a peptide complex.

Bottles of 100 and 500 tablets.

'DISTIVIT' AN ORIGINAL PRODUCT OF **DC(B)L** RESEARCH

* "The Oral Treatment of Pernicious Anaemia: A New Approach" —Lancet (1958), 1, 982.

THE DISTILLERS COMPANY (Biochemicals) LIMITED

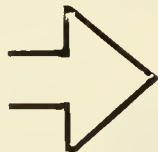
BROADWAY HOUSE, THE BROADWAY, WIMBLEDON, LONDON S.W.19

Telephone: Liberty 6600

Owners of the trademark 'Distivit'

Thovaline

the answer to



- **bedsores**
- **burns**
- **urine dermatitis**

BEDSORES can be prevented by applying THOVALINE before the trouble starts but if already in existence will help greatly in the healing.

URINE DERMATITIS. Excellent healing properties where rash exists and will prevent such trouble occurring if applied beforehand. Offensive odour is eliminated.

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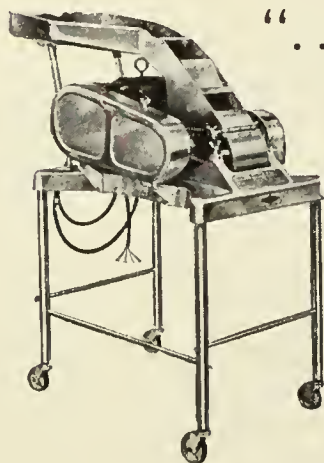
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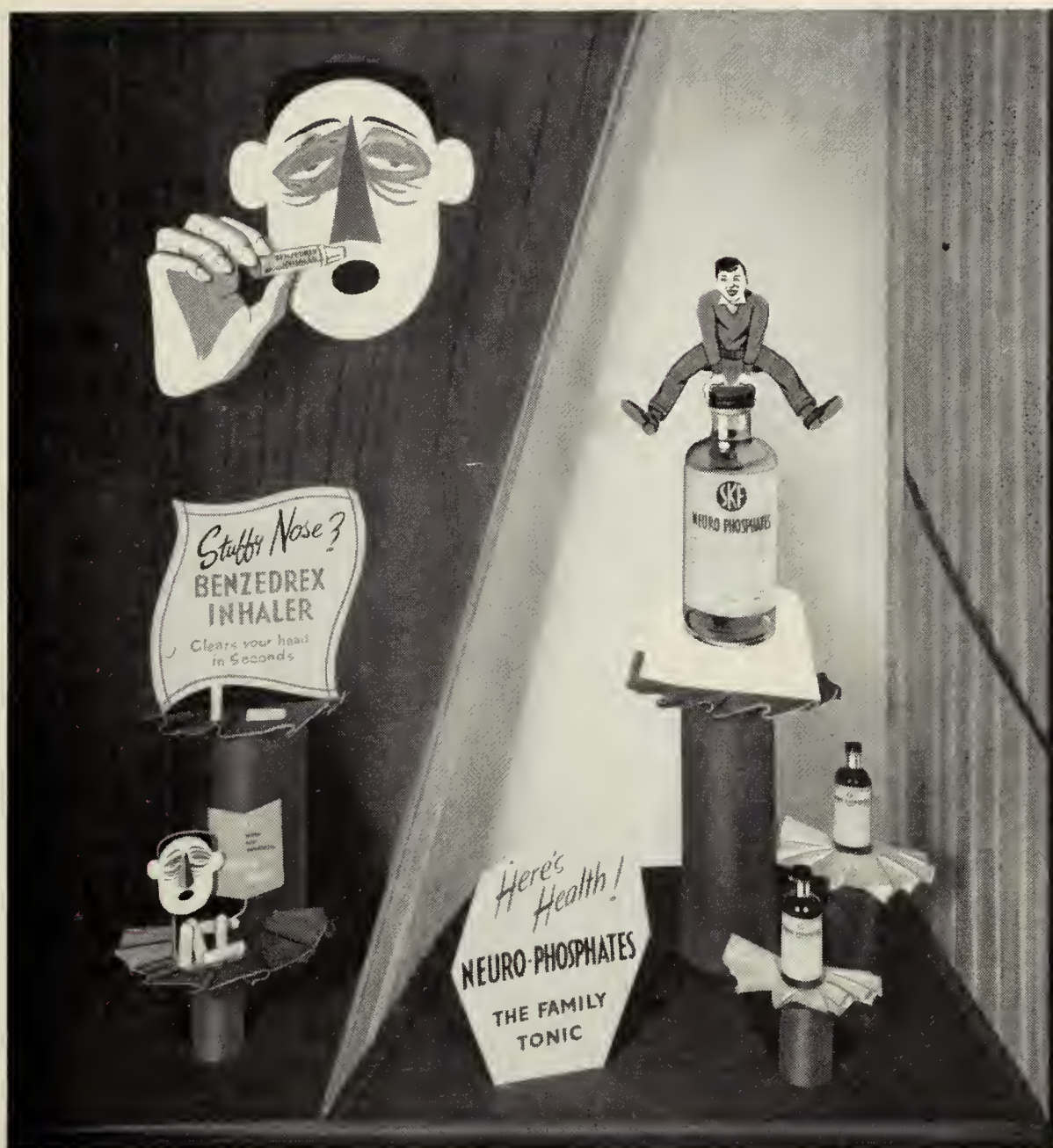


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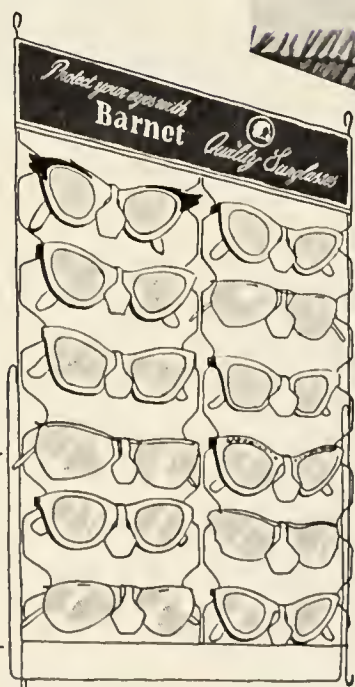
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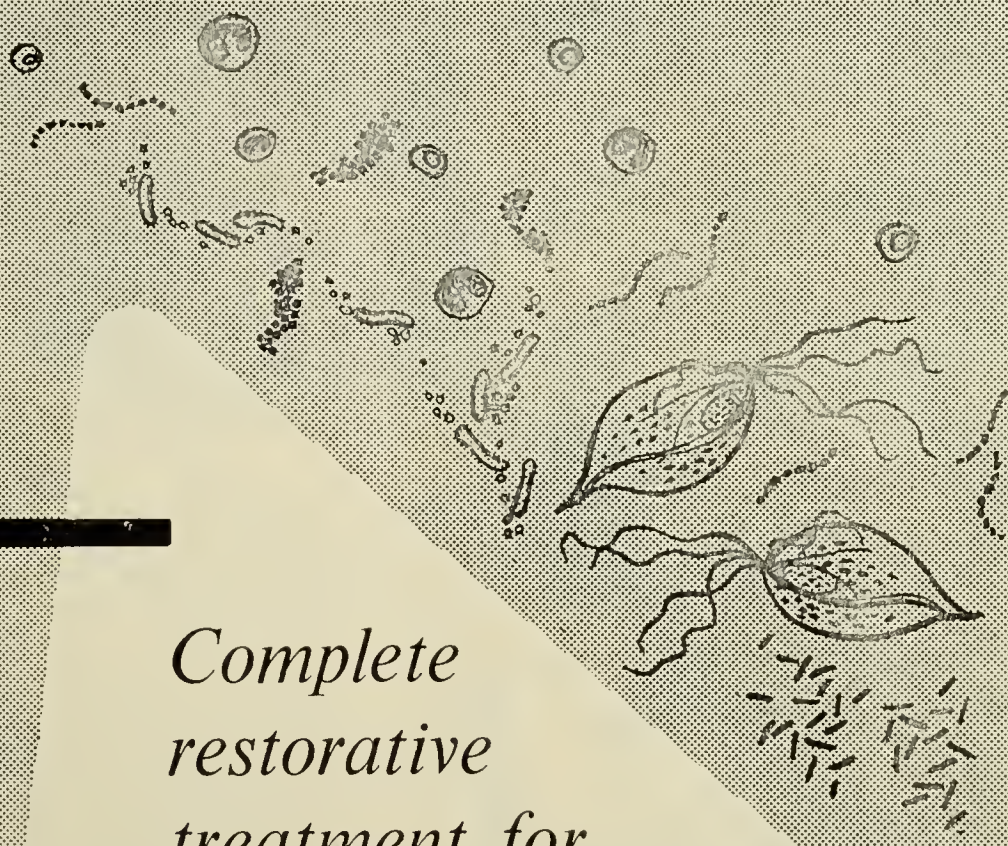
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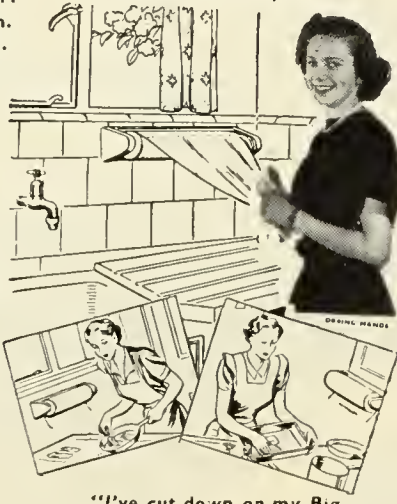
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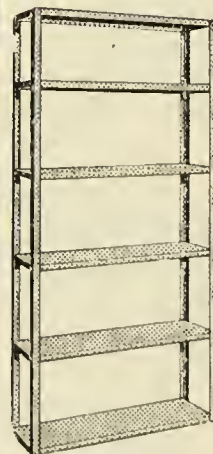
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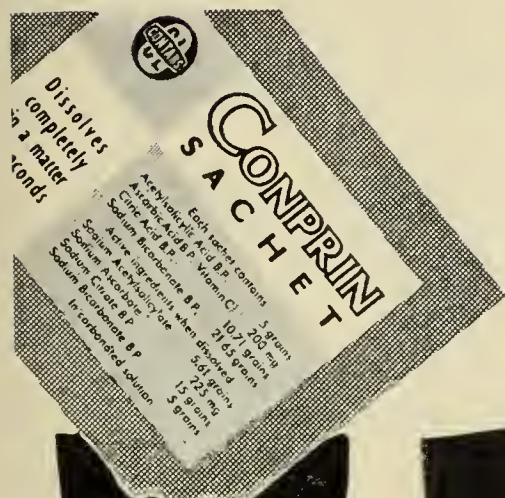
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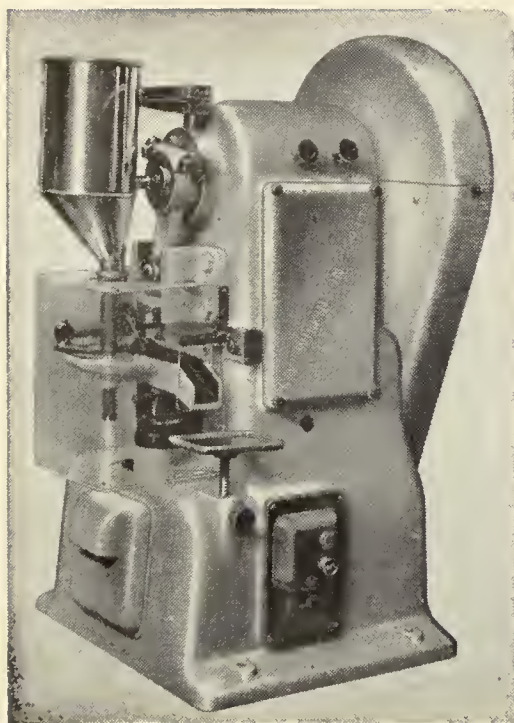
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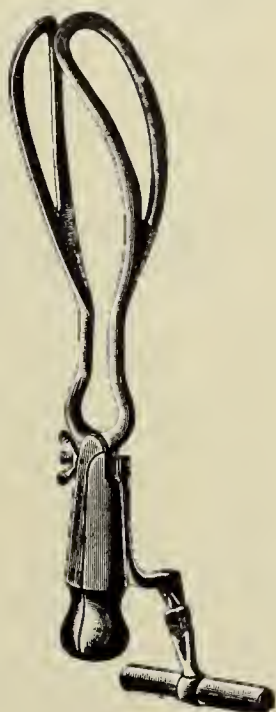
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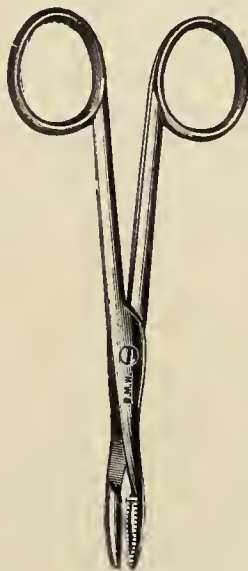
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Pharmacist
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 required immediately at the above hospital. Permanent post—one other employed. Whitley Council salary and conditions of service. Apply, stating qualifications and experience, and naming two referees, to Hospital Secretary. C 9029

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Applications giving particulars of age, experience and qualifications, together with names of two referees to the Physician Superintendent, as soon as possible. C 417

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KING EDWARD VII HOSPITAL, WINDSOR (Category III Hospital)

Pharmacist
 required immediately. Whitley salary. Applications giving details of service and names of three referees to Secretary. C 8992

LAMBETH HOSPITAL, BROOK DRIVE, S.E.11 (Acute General 510 Beds)

Pharmacist
 required. Salary in accordance with Whitley Council Scale, plus London Weighting. Applications stating age, experience, qualifications and names of two referees to the Secretary. C 442

NOTTINGHAM No. 2 HOSPITAL MANAGEMENT COMMITTEE, NOTTINGHAM CITY HOSPITAL (811 Beds)

Deputy Chief Pharmacist (Category V)
 required at the above hospital. Applications are invited for the above post, which is now vacant.

The City Hospital is a Group hospital and caters for the pharmaceutical requirements of a number of subsidiary hospitals in the area.

Applicants should have a wide experience in hospital pharmacy, and be capable of controlling staff. A knowledge of surgical instruments is desirable. The successful applicant will work under the Group Chief Pharmacist and will be required to assume complete control in his absence.

Further particulars regarding the post can be obtained on application to the Group Chief Pharmacist, Whitley conditions of salary.

Applications, stating age, qualifications and full particulars of previous experience, together with the names of two referees, should be sent to the Group Secretary, Sherwood Hospital, Nottingham, as soon as possible. C 9002

ROYAL EAST SUSSEX HOSPITAL, HASTINGS

Locum-in-Dispensing
 required, from June 29 to July 4 and September 7 to 12, 1959. Apply to the Administrator. C 9021

ST. BARTHOLOMEW'S HOSPITAL, LONDON, E.C.1

Locum Pharmacist
 Immediate vacancy exists for a Locum Pharmacist. Salary by negotiation. Applications, in writing, to Chief Pharmacist. C 8965

SHREWSBURY HOSPITAL GROUP

Pharmacist
 For Copthorne Hospital.
 Pharmacist
 For the Group Pharmacy at the Royal Salop Infirmary, with rota duties at other hospitals in the Group, as may be required. Salary in accordance with Pharmaceutical Whitley Council scale. Applications to the undersigned from whom any further particulars may be obtained. J. P. Mallett, Group Secretary. C 8990

ST. BARTHOLOMEW'S HOSPITAL, LONDON, E.C.1

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 A vacancy exists for a Pharmacist. Salary according to Whitley Council scales. Write, giving names of two referees, to the Chief Pharmacist. C 8964

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**ST. LEONARD'S HOSPITAL,
NUTTALL STREET,
LONDON, N.1**

Locum Pharmacist
for one week, March 16 to 21. Please apply to Chief Pharmacist. C 9015

**THE ANNIE McCALL
MATERNITY HOSPITAL,
JEFFREYS ROAD,
LONDON, S.W.4**

Part-time Pharmacist
in sole charge required. Preferably female. 16 hours per week. Monday to Friday. Whitley Council terms and conditions of service. Salary 43s. 8d. per session of 4 hours. Applications, giving full particulars of experience and names of two referees to Hospital Secretary. C 444

**TOOTING BEC HOSPITAL
MANAGEMENT COMMITTEE**

Pharmacist
required at Tooting Bec Hospital, Tooting Bec Road, London, S.W.17. Permanent post, Whitley Council salary. Apply to Physician Superintendent. C 446

**THE GENERAL HOSPITAL,
DEWSBURY, YORKS**

Pharmacist
required immediately for modern department in a Category III Hospital. Post offers good experience including small-scale manufacturing. Accommodation for single person can be arranged, if required. Applications giving age, experience and qualifications, together with the names and addresses of two referees to be sent, as soon as possible, to the Administrative Officer. C 9020

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OLDHAM CO-OPERATIVE CHEMISTS, LTD., invite applications for position of pharmacy branch manager, either sex. Modern accommodation available if necessary. Superannuation. Salary and other emoluments at least £960. Applications, stating age, experience, etc., to Oldham Co-operative Chemists, Ltd., King Street, Oldham. C 2068

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RETAIL (OVERSEAS)

APPLICATIONS are invited from qualified male staff for service in Northern Rhodesia. Three-year contract. Apply by air mail giving full details of experience with copies of references. State age, marital status, religion, nationality, etc., to Advertiser, P.O. Box 202, Broken Hill, Northern Rhodesia. C 9039

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This is a senior appointment to which great importance is attached, and it will be remunerated accordingly and on a progressive basis. Adequate expenses and a company car are provided and superannuation and group life insurance schemes are operative.

Complete details of education and career to:

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AYRTON, SAUNDERS & CO., LTD., invite applications from young men pharmacists for interesting and varied work on sterile products and formulation. Five-day week, canteen, pension scheme. Applications to Technical Director, Ayrton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool, 1. C 9008

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Applicants, aged 28-35, with experience in medical representation or a suitable pharmaceutical background, and with a determination to make a career in this extremely competitive but rewarding field will be considered and local interviews arranged where necessary.

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EXPERIENCED REPRESENTATIVE required for wholesale warehouse, to carry fashion jewellery as sideline. Good commission. Box C 9022.

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wish to appoint Medical Representatives in the following areas:—**Manchester, Midlands, Co. Durham and Kent.**

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Exceptionally good prospects are attainable to gentlemen who will work hard. Please state full details in confidence to the Sales Director, 2 Norfolk Square, Brighton, Sussex. C 9034

ORDER CLERKS. The British Drug Houses, Ltd., require Clerks with a sound knowledge of ethical and proprietary medicines for telephone order and pricing work. Applicants should have experience in the wholesale distribution trade. Five-day week, canteen. Apply in writing stating age, experience and salary required to the staff manager, Graham Street, City Road, N.1. C 9018

The British Drug Houses Ltd.

require a

**MEDICAL REPRESENTATIVE
for the following territory:—
Hertfordshire and North London**

Candidates should be pharmacists and be under 35 years of age. Remuneration by salary and expenses. A Company car is provided. There is a superannuation fund (contributory) and the Company operate life assurance and profit-sharing schemes. Apply giving details of age, qualifications and experience to:—

**HAC/JLH,
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THE BRITISH DRUG HOUSES LTD.,
GRAHAM STREET, LONDON, N.1.**

C 9026

Situations Vacant—Continued

IMPERIAL CHEMICAL INDUSTRIES LTD. PHARMACEUTICALS DIVISION requires an experienced Tablet Maker at its Works in Linlithgow, West Lothian. Applicants, who should be not more than 35 years old, must have a working knowledge of large-scale tablet manufacturing techniques and be capable of controlling the work of others. Applications for this appointment, which is on the established staff and is pensionable, should be addressed, in the first instance, to the Works Manager, Imperial Chemical Industries Ltd. Pharmaceuticals Division, Regent Works, Linlithgow, West Lothian. C 9030

LEADING HOUSE manufacturing proprietary medicinals requires a Representative for West of England, resident in Bristol area. Successful applicant will be between 25 and 40 years of age, have a knowledge of, or an aptitude for, selling and preferably experience of the pharmaceutical and allied trades. Progressive salary, full expenses, superannuation and company car; thorough training given prior to representation. Full details please to Box C 9016.

MIDLANDS manufacturing chemists require a Dispenser, preferably male, for dispensing and small-scale manufacturing. Please state salary and experience. Box C 9017.

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Sales Recruitment Supervisor,
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C 8997

REPRESENTATIVE required for Midland area, electro medical appliances. Write giving full particulars of previous experience to: Personnel Manager, Barber Electrical Services, The Airport, Weston-super-Mare. C 2107

REPRESENTATIVE required to cover London (West) and outer suburbs. Applicants should have a knowledge of the pharmaceutical trade in this area. Car owner preferred. Salary, commission and liberal expenses. Details in confidence please to the Sales Manager, Meggeson & Co., Ltd., Chessington Hall, Chessington, Surrey. C 9011

SANDOZ PRODUCTS, LTD., require skilled men for compressing and granulating processes at their new Horsforth factory. Also an experienced female packaging supervisor. Detailed applications to the Manager, Pharmaceutical Dept., Sandoz Products, Ltd., Calverley Lane, Horsforth, Leeds. C 2099

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C 9019

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Situations Vacant Wholesale—Contd.**SCOTLAND**

In completion of their programme for expanding and re-organising the Representative staff, Burroughs Wellcome & Co. are now selecting men for their final training course. Among the vacancies is one in Scotland. Applications are invited from Pharmacists in any branch of the profession of age 25-30, who would like to know more about this interesting work which allows full scope for use of technical knowledge. Details and prospects can be discussed at a local interview. Please write in the first instance to The Manager, Home Sales Department (Medical), **BURROUGHS WELLCOME & CO.,** THE WELLCOME BUILDING, EUSTON ROAD, N.W.1. C 9032

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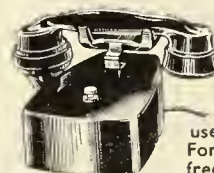
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