

The



CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

MARCH 28 1959

Now it's Spring Cleaning time make sure you've plenty of Savlon Barrier Cream

(it protects hands for wet and dry work)

THIS IS the season for still bigger sales of Savlon 2-purpose Barrier Cream - the cream that protects hands for both wet *and* dry jobs. It seals out hard water and grease for hours. It protects the hands from the degreasing effect of detergents and prevents grime from becoming ingrained in the skin. Sold through chemists only.

Advertised in the
big-circulation women's magazines

RETAIL PRICE
3/- A TUBE

Savlon

2-purpose Barrier Cream

IMPERIAL CHEMICAL INDUSTRIES LIMITED
PHARMACEUTICALS DIVISION WILMSLOW CHESHIRE
PH.912



now-^{*}relief from **ASTHMA**
 attacks-anywhere!

NOW!
ADVERTISING
 LIKE THIS IN
WOMEN'S
MAGAZINES
All the year
round

...re when or where an
 on. But now you
 -spot treatment
 'ew ANTASMA
 t the thing
 to bring
 asthma
 asy to
 : been
 earch
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 Ask
 ist's

amend



*** KEEP THESE TABLETS HANDY!**

The makers of ANTASMA strongly advise all asthmatics to seek medical advice.

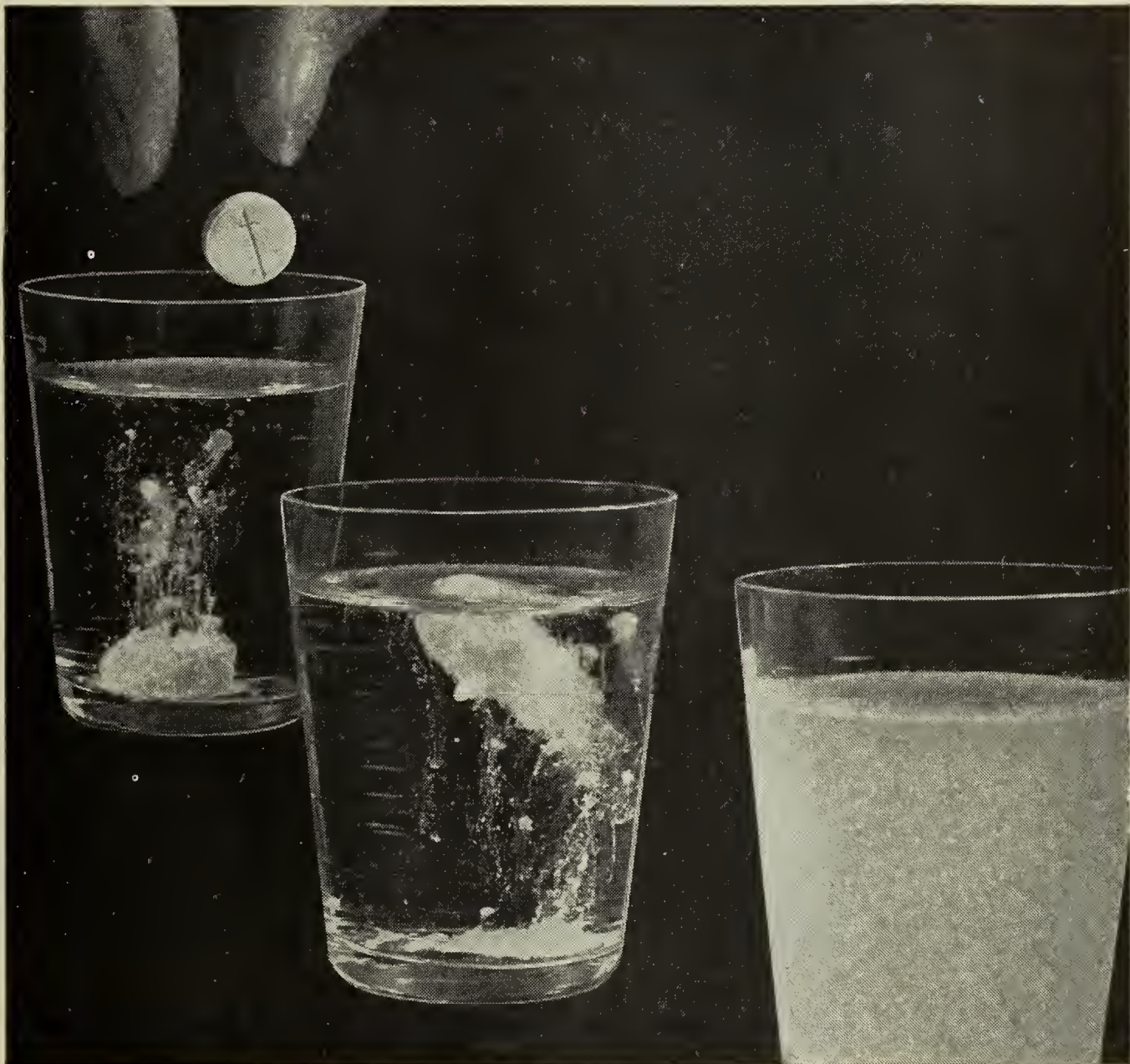
- Some of the magazines used for Antasma advertising :
- TRUE STORY · TRUE ROMANCES
 - WOMAN'S ILLUSTRATED
 - WOMAN'S REALM · WOMAN'S DAY
 - WOMAN'S MIRROR

Sales promotion and advertising for Antasma, Potter's asthma preparation in tablet form which was introduced a year ago, has now been extended to cover a number of specially chosen women's magazines. It is becoming increasingly evident that this new advertising is creating demand, and many letters expressing appreciation have been received from grateful asthma and hay fever sufferers.

Retail :
 2/- small size
 5/- large size (3 phials)

THE PRODUCT IS RIGHT! THE PRICE IS RIGHT! ARE YOUR STOCKS RIGHT? Orders through Wholesalers only

Sole Proprietors & Manufacturers:
POTTER & CLARKE LIMITED, River Road, Barking, Essex. Telephone: RlPpleway 1105



SOLPRIN · CODIS · CAFDIS

Their place to-day

General acceptance won by Solprin, Codis and Cafdis is due to their aspirin content being soluble and substantially neutral. Consequently all three are quick acting and are far less likely to upset the stomach.

Medical opinion to-day is overwhelmingly in support of soluble aspirin. This is why doctors prescribe Solprin, Codis or Cafdis, and this is why the chemist dispenses them so often.



Neutral soluble aspirin.



Soluble aspirin with codeine and phenacetin.



Soluble aspirin, phenacetin and caffeine.

There's
BIG MONEY
for YOU in
BRITAIN'S
fast-growing
SLIMMING
market



HELP HER LOSE THE POUNDS... YOU'LL GAIN THEM!

BISKS SLIMMERS' BISCUITS:




Retail: 2/10 and 4/9
Trade: 28/- and 47/- per dozen

ONE NAME STANDS SUPREME AS THE HOUSE FOR SLIMMING . . .

BISKS PRODUCTS
REGD.

BISKS 21 day diet



The new methyl cellulose method:
Retail: 6/6 and 16/9
Trade: 58/6 and 150/9 per dozen

BISK-LAIT




Improved Swedish Milk Diet Supplement:
Retail: 1/6, 4/6 and 15/8
Trade: 13/6, 40/6, 141/- per dozen

BISKCAFÉ



BISK LAIT Swedish Milk Diet Supplement with PURE coffee):
Retail: 5/9 and 19/10
Trade: 51/9 and 178/6 per dozen

BISKOIDS



Non-fattening Sweetening Tablets with 0.25 mg. Vitamin B₁ per tablet:
Retail: 6d., 1/6 and 6/6
Trade: 4/6, 13/6 and 58/6 per dozen

BISKREEM

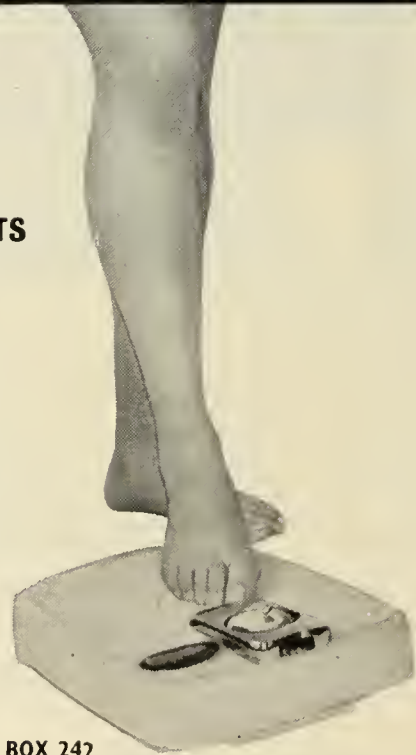


Swedish Massage Cream, for 'spot' reduction of flabby areas:
Retail: 7/6 a jar.
Trade: 46/11 per dozen

BISKALITE



Slimming Bath Salts:
Retail: 9d. and 4/3
Trade: 5/6 and 31/3 per dozen



BRITISH CHEMOTHEUTIC PRODUCTS LTD., KEMTHEUTIC HOUSE, GRANT ST., BRADFORD 3. P.O. BOX 242

WOMEN WANT THEM —

**THIS FULL-PAGE ADVERTISEMENT
WILL APPEAR REGULARLY IN:**

WOMAN, WOMAN'S OWN, WOMAN'S REALM
WOMAN'S ILLUSTRATED, WOMAN'S DAY,
WOMAN'S WEEKLY, WOMAN'S COMPANION,
WOMAN & BEAUTY, HOUSEWIFE, SHE,
GOOD HOUSEKEEPING, MODERN
WOMAN, EVERYWOMAN, WOMAN &
HOME, WIFE & HOME, MY HOME,
T.V. TIMES, THE VIEWER* . . .
PLUS LARGE-SPACE ADVERTISE-
MENTS IN SELECTED NEWSPAPERS

★ ★ ★

* Combined net sales per insertion—17,019,099

Combined estimated readership per
insertion—62,762,000

★ ★ ★

BACKED BY THIS GIGANTIC,
FORCEFUL CAMPAIGN, THE DEMAND
WILL BE ENORMOUS—AND
CONTINUOUS! BE PREPARED—
ORDER NOW!



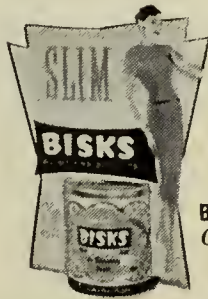
BIGGEST SLIMMING ADVERTISING EVER!

LINK YOUR COUNTER AND WINDOWS WITH **BISKs** PRODUCTS NATIONAL ADVERTISING!

Use these new Display Units!



BISK o LAIT
Showcard holding
small tin

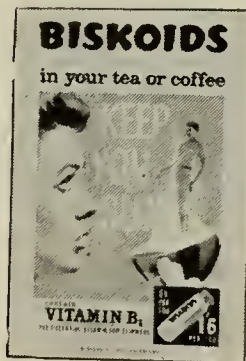


BISKs
21-day diet
Showcard

BISKs
Crownier



BISKCAFÉ
Showcard showing
small tin



BISKoids
Showcard showing
tube



BISKALITE
Display outer

SHOW BISKs PRODUCTS — THEY'LL SELL!

Specialists in Vegetable Raw Materials

We stock 600 lines as diverse as: AGAR AGAR · CAMPHOR · EUCALYPTOL
PEPPERMINT · QUILLAYA · SPERMACETI · TRAGACANTH · WITCH HAZEL

BROME & SCHIMMER LTD 7, LEATHER MARKET
LONDON · S.E.1

QUEEN

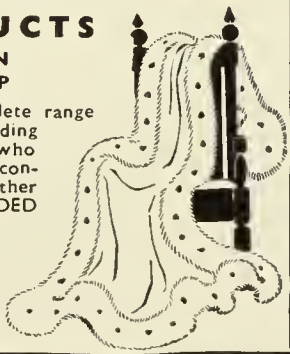


Non Allergic
BEAUTY PRODUCTS
THE SAFETY FACTOR IN
EVERY DAY MAKE-UP

Queen beauty products form a complete range of toilet and beauty preparations, including lipsticks, specially for those women who have sensitive skins. Queen products contain no orris in any form, nor any other skin irritants AND ARE RECOMMENDED BY THE MEDICAL PROFESSION.

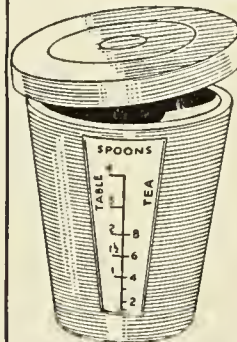
Obtainable from Messrs. Sangers Ltd and Allied Companies, or direct from your Wholesaler.

BOUTALLS CHEMISTS LTD.
60 Lamb's Conduit St., London, W.C.1



AMBYTHENE

(BRAND OF POLYTHENE)



MEDICINE MEASURES

UNBREAKABLE—ACCURATE
with or without close fitting lids
obtainable from usual distributors
at 12/1 dozen with lids or
8/9 dozen without lids.

Wholesalers' supplies
obtainable direct from

AMPLEX APPLIANCES (KENT) LTD.
19 DARTMOUTH ROAD, HAYES, BROMLEY, KENT
(RAVensbourne 5531)

NEW TO GREAT BRITAIN

Nicobrevin

ANTI SMOKING CAPSULES

HARMLESS—TASTELESS—EFFECTIVE

RETAIL PRICE 21/- per tin of 50 capsules

TRADE PRICE 11/8d plus P.T. 3/6d

Literature & display material on request

ASK YOUR WHOLESALER

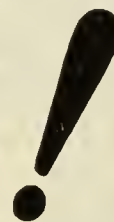
or write **MILLER OF GOLDEN SQ., LTD.**

13 GOLDEN SQ. LONDON W1 Telephone GERrord 6533

OVER 1'9D

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
dozer. (13). It pays to push this size.

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

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.

BURROUGH'S

S.V.R. DOUBLY RECTIFIED

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

CHEMIST'S DICTIONARY OF MEDICAL TERMS 7th Edition

Prepared primarily for pharmacists, the Dictionary is indispensable also for pharmaceutical manufacturers, advertising agents concerned with the marketing of medicinal products and indeed all who have to find their way around among the multifarious medicinal compounds of modern times.

Order direct from: **THE CHEMIST & DRUGGIST**
PRICE 17/6, Postage 9d.

28 ESSEX STREET, STRAND, LONDON, W.C.2

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(continued overleaf)



Sold as soon as seen!

Every mother will appreciate the value of the 'Modern' Nurser, enabling her to look after baby when out on picnics and visits just as well as she can at home. With the 'Modern' Nurser there is no chance of leakage and it is easily packed. After filling, the teat is simply inverted and the cap and disc screwed down. For feeding the sterilised teat just 'snaps' into position without being handled. The 'Modern' Nurser, with its double action teat for 'Nearest to Natural' feeding, is available in heat resistant and flint glass, and also in polythene.

- Completely hygienic
- Wide neck for easy cleaning
- Controlled feeding
- Keeps feed sterile

'Modern' Nurser teats fit all screw topped feeding bottles and retail at only 7½d. each.

Order today from your wholesaler

CANNON FINE QUALITY RUBBER PRODUCTS

All obtainable from your usual wholesaler

If in difficulty write direct to:

CANNON RUBBER MANUFACTURERS LTD., ASHLEY RD., TOTTENHAM, LONDON, N.17



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Two absolute winners!

Made in England

D43

Page-Barker's

SCURF AND DANDRUFF SHAMPOO

SOAPLESS

Specially prepared for the removal of Scurf and Dandruff THE IDEAL SHAMPOO FOR USE PRIOR TO PERMANENT WAVING

TRADE MARK

Dr. Page-Barker's

SCURF AND DANDRUFF LOTION

for treatment of the scalp

HIGHLY RECOMMENDED IN ALL CASES OF SCURF AND DANDRUFF

Dr. Page Barker. Everyone knows that name. It stands for quality. And it is quality and reputation that ensure repeated sales.

Dr. Page Barker's Scurf and Dandruff Lotion and D.43 Shampoo are known for their unfailing reliability in keeping the scalp clean and healthy.

T.V. SUCCESS

In the Lancashire region last autumn's successful T.V. advertising campaign is being repeated and intensified throughout April and May telling viewers of something you know only too well—that the reputation of Dr. Page Barker's Scurf and Dandruff Lotion stands supreme.

Wherever your sales area may be, Dr. Page Barker's Scurf and Dandruff Lotion is a winner.

THOS. CHRISTY & CO. LTD

North Lane, Aldershot, Hants.

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)

*We tell them ...
You SELL them ...*

The story of Health Master lamps is being told to a very large public through many leading national magazines — another reason for reminding you that—

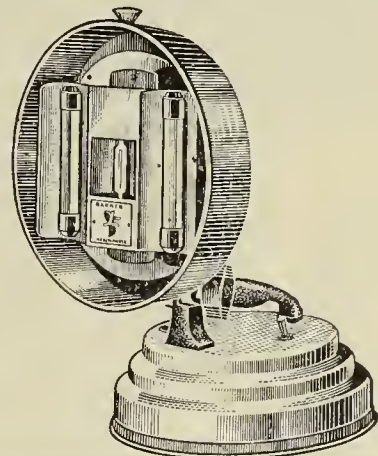
Health Master

Check up your stocks now and take a share in this healthy business. Remember, all Barber Health Master lamps are made to the highest standards of quality and finish, are tax free and free of Budget worries, too.

Send for Sales literature NOW.

**SELL
FASTER**

365
Infra-Red
Ultra-Violet
13 gns.



596
Infra-Red,
Luminous
Heat
59.6

POPULAR
Infra-Red,
Luminous
Heat
90.-

325
Infra-Red,
Luminous
Heat
£8.10.0

425
Floor Stand
Infra-Red,
Luminous Heat
£9.15.0

465
Ultra-Violet
Infra-Red,
Luminous Heat
£25

Produced under rigid laboratory control by
BARBER ELECTRICAL SERVICES LIMITED
THE AIRPORT, WESTON-SUPER-MARE, SOMERSET



Start your own
Scentinel Hygiene Dept
It MAKES Sales

This striking Display Stand showing the whole range of Scentinel Home Fresheners will make regular sales, profitable sales. Show Scentinel products and they sell themselves. You see them advertised in National Magazines and on TV—so do your customers.



**THIS
 DISPLAY
 STAND
 FREE!**

We're telling the Homes of the Nation —
GIVE YOUR HOME A MODERN AIR—
HAVE "SCENTINEL" FRESHNESS EVERYWHERE!
and you can cash in on our campaign



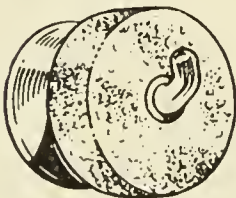
"QUIFF"

The fragrant air-freshener spray, Aerosol 4/6. Squeeze bottle 3/6. Refills 1/6.



"WHAM"

The fragrant fly-spray in squeeze bottle 3/6. Refills 1/6. Aerosol 4/6.



"SWISH"

Toilet bowl cleanser and disinfectant. Held in pan by suction hook. 1/6 complete. Refills 9d.



"MIKE"

Popular air-freshener in plastic holder, with suction grip. Complete 2/9. Refills 1/3 and 9d.



"BOBBY"

Attractive new package for hanging in wardrobes or cupboards 2 3/4" square. 1/- complete.



"MINOR"

Fragrant chemical block in unbreakable holder, with suction grip, 1/6 complete.

Refills (also fit "Mike" or any small container) 9d.

**DISPLAY STAND
 FREE!**

SEND IN THE COUPON AND GET FULL DETAILS OF OUR FREE OFFER. OUR REPRESENTATIVE WILL CALL AND SET UP THE DISPLAY IN YOUR STORE.

PLEASE SEND DETAILS OF YOUR DISPLAY STAND OFFER.

NAME-----

ADDRESS-----

NEW HYGIENE LTD., 266 - 268 HOLLOWAY ROAD, LONDON, N.7
 Telephone: NORth 5041-2-3
 Telegrams: AIROGENA-HOLWAY, CODE A B C



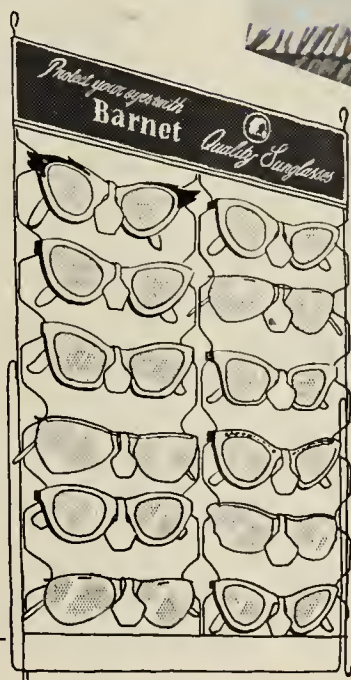
BARNET



For style - for value! the leaders in the 2/- to 7/6 price bracket

A wonderful balanced range of inexpensive fashion models including both CROOKES lens and lightweights.

FREE DISPLAYS
with six dozen
assortment or any
two dozen



And for TOP PROFITS Stock the New range :-

BARNET *Ultraglaze*

are the foremost lightweight sunglasses with Crookes glass lenses (copy of National Physical Laboratory report enclosed with every pair). Priced between 12/6 and 15/6.

Order quickly from your wholesaler!



MAKERS OF DRY BATTERIES HANDLAMPS TORCHES PORTABLE RADIOS

ENTER THE MAINS-OPERATED DRY SHAVER MARKET

Ever Ready, the battery people, marketing a non-battery operated product? Yes, indeed! This important development in the Company's history is linked with the introduction of an entirely new mains-electric dry shaver. Only because it is outstanding in every way, has this new shaver been launched on such a competitive market. But it is an *expanding* market—and surveys have shown that there is room at the top for a top-performance shaver. *Figaro* is just that. Ever Ready are confident that in this new shaver they have yet another success to share with you.

FIGARO... THE ELECTRIC SHAVER THAT'S EVER READY

Figaro wasn't born yesterday... *Figaro* is no hasty creation. It took years of careful research and great technical skill to evolve this precision instrument, truly deserving the name *Figaro*... because it does indeed give a 'barber-close' shave to *everyone*. And *Figaro* is **British made throughout**.

THE EVER READY COMPANY (GREAT BRITAIN) LIMITED

Hercules Place, Holloway, London, N.7



EVER READY
Figaro comes to town

WITH A 'BARBER-CLOSE' SHAVE

Figaro is here . . .

fabulous Figaro — the mains-operated electric shaver by EVER READY—that has everything: *two* exclusive interchangeable foils (thin for sensitive skins and extra thin for barbed wire beards), an exclusive 'snap-up' trimmer at the side, self-sharpening shears, dual-voltage, built-in ON/OFF switch, self-starting

motor, exclusive presentation case with travel wrap inside. *Everything!*

And Figaro is British made throughout.

FIGARO I, 10 guineas (tax paid)

FIGARO II, £8.15.0 (tax paid)

FIGARO III, 7 guineas (tax paid)

Figaro is already heavily booked for its T.V. and Press Premiere on April 27th.

FIGARO FAST... FIGARO CLOSE... FIGARO SMOOTH

Figaro
REGD. TRADE MARK



THE ELECTRIC SHAVER THAT'S



THE EVER READY CO (GB) LTD, LONDON N7

The Beatson Tablet

WHITE FLINT or AMBER

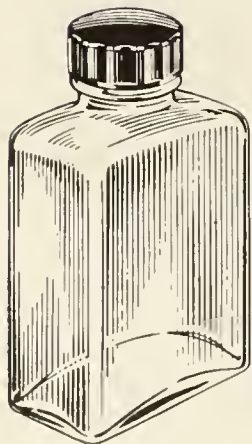
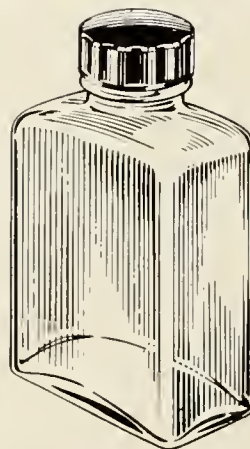
- ★ Distinctive SQUARE Shape.
- ★ Black Plastic or White Enamelled Caps.
- ★ Production Clean in Sealed Cartons.
- ★ Prompt Despatch from Stock.
- ★ Available in the following sizes—
3dr $\frac{1}{2}$ $\frac{3}{4}$ 1 $1\frac{1}{2}$ $1\frac{3}{4}$ 2 3 $3\frac{1}{2}$ oz.

"The Sign of a  Good Bottle"

Suggested Packs—

- $\frac{1}{2}$ -oz.— 25 Aspirin.
- 1-oz.— 50 Aspirin or
25 Codeine.
- $1\frac{1}{2}$ -oz.—100 Aspirin or
50 Codeine.
- $3\frac{1}{2}$ -oz.—100 Codeine.

Beatson, Clark & Co., Ltd.
GLASS BOTTLE MANUFACTURERS
ROTHERHAM ESTABLISHED 1751 YORKS.



Be sure to specify BEATSON



packaging



manufacturing

The COX organisation offers a complete manufacturing and packaging service for the retailer, wholesaler and those marketing proprietary brands.

It is a home and overseas service that provides the finest products well packed and ethically presented.

Here are a few features designed by our Art and Packaging Departments :

- Even attractive styles for retail pharmacists' "own name" preparations.
- Special designs for proprietaries and private formularies.
- Daily, post paid, breakage free, bulk tablet delivery.
- Good visual designs for T.V.
- High grade carton board and label paper and printing.
- Strip packaging—extensive range.
- Sketches for powdered and granular products.



ARTHUR H. COX & CO. LTD.
BRIGHTON • ENGLAND

announcing

HYDRENOX

HYDROFLUMETHIAZIDE

A really important advance in

ORAL DIURETIC therapy

- * Hydrenox is a new oral diuretic which is at least ten times as potent as chlorothiazide.
- * The cost of treatment with Hydrenox is lower than with any other potent oral diuretic.
- * In many cases a single daily dose produces an adequate response.



INDICATIONS

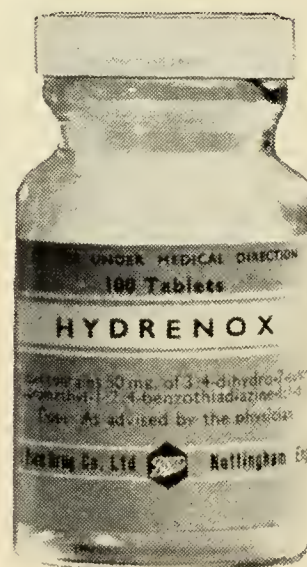
Hydrenox is indicated in all cases of cardiac and renal œdema (irrespective of their severity) and in all other cases of fluid retention, including œdema of pregnancy, hepatic œdema, œdema of premenstrual tension and œdema resulting from steroid therapy.

PACK

Hydrenox is available in containers of 100 and 500 tablets. Each tablet contains 50 mg. of Hydroflumethiazide.

PRICE

The Basic N.H.S. cost is 24/- per 100 tablets, 116/- per 500 tablets, Plus P. Tax (Normal dose, 1-4 tablets daily).



Available from your usual wholesaler or from Wholesale Division of

BOOTS PURE DRUG CO. LTD., STATION STREET, NOTTINGHAM
or 71 FLEET STREET, E.C.4 Telephone: Fleet Street 0111

Telephone: Nottingham 56:11

BRITISH OXYGEN EQUIPMENT AND GASES . . .
 USED EVERY DAY TO EASE PAIN AND SAVE LIVES



**“Please provide oxygen therapy set
 with Polymasks - MS 500 48 cu. ft. oxygen”**

You might receive this prescription now that the new lightweight Single Unit Set for domiciliary oxygen therapy has been approved for use against E.C.10 orders. Developed by British Oxygen this equipment is robust, easy to operate, and is supplied with two disposable Polymask inhalers. This domiciliary oxygen therapy equipment is now an essential item in a chemist's stock.

For demonstration and full details of how to purchase or hire this equipment, please write to



BRITISH OXYGEN

British Oxygen Gases Limited
 Medical Div., Great West Road, Brentford, Middx.

Sunfresh

Regd. Trade Mark

COMPETITION TO EMPTY YOUR SHELVES



Thousands entering for Sunfresh £3000 competition. *And every entry a Sunfresh sale.* Many more thousand entries expected before closing date—May 31st. *And every entry a Sunfresh sale.* You stock it—Sunfresh competition and advertising shifts it. Sunfresh on TV. Bus sides. In National newspapers. *And* local press. Glorious Sunfresh for glorious sales.

NEW Sunfresh

Regd. Trade Mark

BONUS OFFER TO FILL YOUR TILL



Order Sunfresh Orange *now*. You get a free bottle of either Sunfresh ORANGE, LEMON GLUCOSE, OR LEMON BARLEY GLUCOSE with every one dozen case delivered between March 30th and April 30th. Tell your usual supplier which of the free bottles you want. Make sure you have plenty of supplies for the holiday.

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

**OSTERMILK
AND
FAREX**

**HALF PAGES
IN THE
DAILY
EXPRESS**

Once again Ostermilk and Farex are appearing in the Daily Express with another insertion in Glaxo Laboratories continuing campaign in leading newspapers and women's magazines.

In the next dominant half-page advertisement in the series (which appears on April 2nd), Glaxo Laboratories will re-emphasise the story of the scientific experience behind Ostermilk and Farex . . . the unique scientific experience which creates trust and confidence among parents the world over. And they will use as an example of this unique experience the development of GlucoDin — another of your best selling products.

Profit from the confidence created by this persuasive advertising. Check your stocks of Ostermilk, Farex and GlucoDin *now*. Make sure you have enough to maintain all your customers' custom.

**TWELVE
MILLION
READERS**

**A
CONTINUOUS
CAMPAIGN**

**NEXT
INSERTION
APRIL
2ND**

OSTERMILK and FAREX



**ADVERTISEMENTS WILL BE SEEN BY
OVER 12 MILLION READERS IN THE
DAILY EXPRESS**

*This date means
money for you*



It's your last day for Cooper's



Offer covers assortments of whole dozens of: Cooper's push-button Fly Killer, Fresh-aire, Moth Proofer, Crawling Insect Killer, Woodworm Killer.

12 doz. and over—7½% Bonus Discount

4 doz. to 11 doz.—5% Bonus Discount

This high bonus discount applies only to orders placed before April 30th and is extra to the normal Trade and Cash Discount. 1958 was a record year for Cooper aerosols and this year the *whole range* will receive even more powerful advertising support. There will be more and better display material too—including a new five-unit stand for counter display.

So cash in on the Bonus now—it will pay you to STOCK AND DISPLAY THE WHOLE RANGE.

The push-button way to BIGGER SALES

9.H.2A

COOPER'S

COOPER, McDOUGALL & ROBERTSON LIMITED, BERKHAMSTED, HERTS



**“SKYLON” POLYTHENE
HOT WATER BOTTLES**

A P.A.T.A. LINE

FIBRENYLLE
L I M I T E D
157 DUKES ROAD
WESTERN AVENUE, LONDON, W.3
ACORN 5073-4

Illustration above shows the range of colours in which the new “SKYLON” polythene hot water bottles are being made. Light in weight and complete with high density Polythene cap and rubber seal.



“SKYLON COMFORT”

Packed in polythene bags with attractive “Sales-Appeal” design showing, in silhouette, a Teenager in shortie and alternatively, Father in his nightshirt and cap, they are, with their bright colours a sure selling line for young and old. Ask your Wholesaler to show you the bottles in their printed wrapper and stock up now—you know our climate!

5 REASONS WHY YOU SHOULD BUY JOHNSON'S CARTON PACKS OF DRESSINGS



(1) Different coloured cartons for B.P.C. and 'Fairlie' Cotton Wool.



(4) Attractive cartons and distinctive labels for window or counter display.

(2) Distinctive end-labelling for easy shelf recognition.



(5) Made by the World's largest manufacturers of Surgical Dressings.



(3) Special end closure to maintain Dressings in hygienic condition after carton is opened.

Johnson & Johnson

THE WORLD'S MOST TRUSTED NAME IN SURGICAL DRESSINGS

5 Johnson's SPECIALITIES



JOHNSON'S ABSORBENT UNDERPADS — prevent soiled sheets, save drudgery and cost in home nursing confinements, etc. Disposable, super absorbent.

JOHNSON'S PLEATED WOOL — hygienic, large size, polythene pack.



'FAIRLIE' HOUSEHOLD PACK — cotton wool in large size family pack, specially prepared for surgical use.



'STERI-PADS' — to cover and protect grazes, cuts and all skin injuries. Packets of four dressings, each 3" x 3" sterile and individually wrapped.



'N-A' DRESSINGS — for varicose ulcers and other granulating wounds.



Johnson & Johnson

THE WORLD'S MOST TRUSTED NAME IN SURGICAL DRESSINGS

New

easy-to-recognise **Spansule** capsules

These are the new designs of SK & F's SPANSULE products. Half the capsule is coloured with a distinctive product colour—the other half is clear, showing the pellets inside just as the whole capsule did formerly.



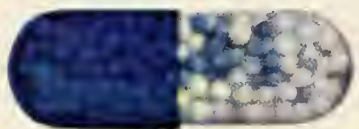
Dexedrine Spansule



Drinamyl Spansule



Histryl Spansule



Phenobarbitone Spansule

Smith Kline & French Laboratories Ltd

Internal Memorandum

From: F. W. P. Corbould, Managing Director

To: E. Leigh Davis, Sales Manager

Subject: VICK/MILTON MERGER

As you know, from 1st April, 1959, the amalgamation between Vick International Ltd., and Milton Pharmaceuticals Ltd. becomes effective. I think we should take space in the trade Journals to announce this and to make known the benefits which will become effective from that date. The main points are these:

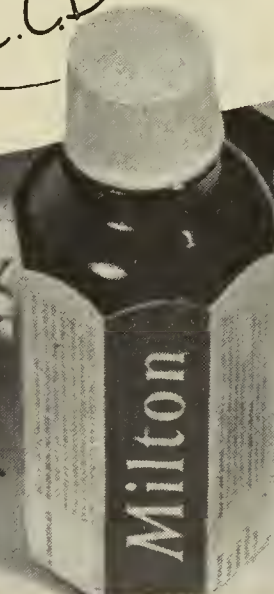
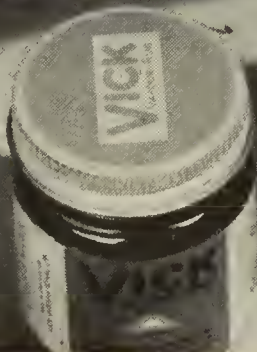
- * ONE ORDER FOR VICK AND MILTON PRODUCTS
- * ONE SALES STAFF TO SERVE BOTH COMPANIES
- * ONE INVOICE FOR VICK AND MILTON PRODUCTS
- * ONE STATEMENT RENDERED
- * SPECIAL QUANTITY AND DISPLAY DISCOUNTS
- * AND, OF COURSE, A MORE ECONOMIC AND EFFICIENT SERVICE

I think we should make it clear in the announcement that the address of both companies for all orders, correspondence and payments will be:

10 NEW BURLINGTON STREET, LONDON W.1. Tel: REGent 6642

F.W.P.C.

Quite agree. I'd like to add that this reorganisation has been carried through exceptionally smoothly and amicably. Staffs of both companies now working together very happily. E.L.D.



GLUCODIN

when there's a

feverish

need for energy



During fever Glucodin provides extra energy whilst sparing fat and protein and easing digestive strain.

- * 99% powdered medicinal glucose
- * added vitamin D, calcium and phosphorus
- * sweet but not sickly
- * a good "mixer" that helps your soft drink sales

GLUCODIN

TRADE MARK

the **original** Glucose D

Retail price — 1-lb carton 2/9
Trade prices — 12 x 1-lb cartons 24 9
Glaxo "top profit" parcel: 2 doz x 1-lb cartons 44/-

GLAXO LABORATORIES LTD,
GREENFORD, MIDDLESEX BYRON 3434



*Glucodin is available in most countries.
In some it is known as Glucolin or Glucose-D Glaxo.*



These stockings ensure

REPEAT BUSINESS

Because surgical stockings have a limited life, *somebody* must derive benefit from 'repeat sales' to customers with leg afflictions. That 'somebody' can be *you*—if you dispense 'Lastonet' Stockings on N.H.S. prescriptions brought to your shop. Here's why:

LASTONET Elastic Net Stockings, being made individually to each customer's own measure, provide better support, fit more accurately, and look better under the wearer's own nylons.

LASTONET airy-cool, open-weave elastic net fabric is wonderfully comfortable, and supports without chafing or restriction.

LASTONET are made with light-resistant rubber, which lessens perishing, and ensures retention of fit.

LASTONET will please your customers so much, that they'll return to *you* for subsequent stockings . . . and of course, additional purchases of other requirements.

**FOR QUICK DELIVERY
EXCELLENT
PROFIT MARGIN
AND REPEAT SALES**



T8

Display Material and Measurements Forms from:

LASTONET PRODUCTS LIMITED, CARN BREA, REDRUTH, CORNWALL



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 28, 1959

No. 4127

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

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comprehensive range of
pharmaceutical forms

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ANDROGENS

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PROGESTOGENS

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***CORTICOTROPHIN**

**In the U.K. available to hospitals only*

Hormone requirements will be satisfied by



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The CHEMIST AND DRUGGIST

Volume 171

MARCH 28, 1959

No. 4127

Obsequies of C.F.

WINDING-UP CEREMONIES IN LONDON

THE Chemists Federation gave visible and tangible effect on March 24 to the decision of Mr. Justice Devlin and the Restrictive Practices Court in November 1958 that its activities could not be allowed to continue.

At a dinner in London the Federation's last president (Mr. Frank Mellor) surrendered his jewel of office to the National Pharmaceutical Union to preserve as a memento, and presented the Union with a presidential chair as a deathbed gift to the parent body.

Earlier in the proceedings CAPTAIN R. C. KELLY (chairman of the Crookes Laboratories, Ltd.), who, in 1946, presented the Federation with a presidential badge and chain of office, gave out replicas to eleven of the fifteen presidents (the others sent apologies for absence) who had held office during its lifetime, as well as to the final-year vice-president (Mr. L. D. Smith) and treasurer (Mr. K. G. Patteson).

First speaker of the evening was MR. JOSEPH DEAN (junior counsel at the hearing of the C.F. case) who said he appreciated that the occasion was a sad one to many present and many outside. Although the decision had gone against the Federation, he was sure that chemists had lost nothing by the fight.

MR. D. W. HUDSON (president of the Pharmaceutical Society) said that, for all the apparently hydra-headed structure of pharmaceutical institutions, they had done a complicated job efficiently and well, safeguarding both the public and the profession. C.F. had died as the result of an ill-considered technique. The blame was on those who could not see that fatal diseases had insidious beginnings. The simple medicines of earlier times had developed today into potent substances, and the public would one day realise that those substances must be treated differently from other saleable commodities. The death of C.F. was a greater tragedy to the public than to the profession of pharmacy. The medical profession itself should not remain aloof to the fact that any unqualified person could give advice on medical matters.

MR. S. J. STEARN, as the senior past-president of the Association (in office in 1940) said that pharmacy had gained tremendously by the association, within C.F., of retailers, wholesalers and manufacturers. He was confident that the Federation had "lit such a candle as would never be extinguished."

A cheque to cover the purchase of the presidential chair was handed over to the chairman of the National Pharmaceutical Union (Mr. H. G. Moss) by

Mr. Mellor. MR. MOSS said the Union felt keenly the passing of C.F. The lesson for the future was that there was still a long way to go in putting over to the public "what pharmacy is and what it stands for." He had faith that out of evil good would come.

Tranquillisers Classified

REPORT BY SIX-NATION STUDY GROUP

SIX countries were represented in a ten-member World Health Organisation study group whose report "Ataractic and Hallucinogenic Drugs in Psychiatry" is now available (Technical Report Series No. 152). The report, a 72-p. booklet, clarifies and classifies the considerable data and varied views upon those drugs. The devising of a tentative system of grouping demanded a precise terminology and dosage the available material was insufficient to satisfy. Instead, a median effective dose has had to be accepted, and full references are given to sources of any definitions given of terms used. Investigations in recent years have shown the presence of a number of

compounds in the central nervous system which may have significance in explaining the action of the ataractic drugs. Those considerations are touched on in the report though full explanations are not possible without greater knowledge of biochemistry than exists at present. The classification suggested by the study group is based upon exhaustive investigation of the literature.

A Contractor's Error

REMOVAL FROM LIST RECOMMENDED

SOUTHEND - ON - SEA Executive Council, at a meeting on March 16, agreed to recommend to the Ministry of Health that a company of chemists should be removed from the Council's list. Dr. H. F. Hiscocks (chairman) commented that it was a sad and difficult case to which a great deal of thought and consideration had been given. It would have been a disservice to the man concerned if the Council had arrived at any other decision, though one member of the Council considered the decision a little harsh. The superintendent pharmacist, who was also a director of the company, admitted that he had made an error in dispensing. It was pointed out that he carried out all dispensing, serving and cleaning without assistance, and had not had a holiday for ten years. Reference was made at the meeting to four previous allegations proved against the pharmacist, and the chairman said there was no dispute as to the error having been made in the present instance. The phar-



LADIES' NIGHT: Edinburgh Chemists' Golf Club's annual whist drive and dance, held recently, was evidently well supported by the fair sex. In the front of the group are Mr. A. Nelson Fleming (Club captain) and Mrs. Fleming.

macist concerned was stated to be now in a convalescent home. In reaching their decision the Committee stated: "We are unanimously of the opinion that the continued inclusion on the Council's pharmaceutical list of the firm's name, of which the respondent is the superintendent pharmacist and a director, would be prejudicial to the efficiency of the service."

Bournemouth Conference

LADIES' EXCURSIONS PROGRAMME

TO assist ladies intending to visit the Bournemouth meeting of the British Pharmaceutical Conference, September 21-25, to complete their application forms, Mrs. Una Smith (chairman of the local Ladies' Committee) has issued a list of excursions that are being provided for them. Seven excursions are available, six of which are being



Mrs. Una Smith

repeated. It is possible for each lady to go on five, as well as the main Conference excursion. The first excursion is designed to show all the ladies some of the coastal scenery in the area. The drive is through the Chines, with views of the Isle of Wight, the Needles, Studland and the Purbeck Hills. Four of the next five excursions may be chosen: A coach trip to Wimborne (an old market town with a Minster of special interest containing a chained library of 243 volumes and a fourteenth-century astronomical clock); a drive through the New Forest; a visit to Compton Acres, a series of seven private gardens including Roman, Italian and Japanese; a trip to Christchurch (an ancient municipal borough whose magnificent priory church is among the finest in the country, with examples of successive schools of architecture from the Norman to the Renaissance). There are also the ruins of a Norman house and a castle; a coach ride to Corfe castle and Wareham. The former is a quaint village built of Purbeck stone and has the ruins of an ancient castle said to have been the scene of the murder of the young King Edward in 978 and one of the last strongholds to surrender during the Civil War. The latter is an old Roman town. Its tiny St. Martin's Church contains an effigy of Lawrence of Arabia. The seventh excursion is a sheltered sea trip by motor cruiser to the Dorset lakes, with views of Poole harbour, the Purbeck hills and Brownsea island (a bird sanctuary with a castle built in the time of Henry VIII). Ladies who avail themselves of all the excursions will have little free time during the day but the timing is such that the programme will not be strenuous. Still other events, including a mannequin parade, are under consideration for the benefit of those who like a full programme of events. Evenings will be taken up with the civic

reception, the banquet, theatre visit and ball.

Lectures on Therapeutics

A REFRESHER COURSE IN WEST HAM

THE East Metropolitan Branch of the Pharmaceutical Society and West Ham and District Association of Pharmacists have organised a course of six lectures on modern therapeutics. Places, dates, times, subjects and lecturers are: At Ross Wyld Hall, Church Hill, Walthamstow, London, E.17, at 8 p.m. on Wednesday, April 1: Dr. E. K. Gardner (consultant anaesthetist, Barnet Group of Hospitals) on "Drugs Used in Modern Anaesthetics"; at lecture hall, nurses' home, Plaistow Maternity Hospital, Howards Road, London, E.13, at 8 p.m. on Wednesday, April 8, Dr. F. M. Hogg (consultant in gynaecology) on "The Use of Modern Therapeutic Agents in Gynaecology"; at Plaistow Hospital, Samson Street, Plaistow, E.13, at 3 p.m. on Thursday, April 16, Dr. P. Ellman (consultant chest physician) on "Modern Drug Therapy in Diseases of the Chest"; at Langthorne Hospital, Langthorne Road, E.11, at 8 p.m. on April 24, Dr. J. De Lary (consultant physician in geriatrics) on "Development in Geriatrics"; at Claybury Hospital, Woodford Bridge, Essex, at 8 p.m. on Wednesday, May 8, Dr. J. S. Pippard (consultant psychiatrist) on "The Use of Drugs in the Treatment of Mental Illness"; at Whipps Cross Hospital, Leytonstone, E.11, at 8 p.m. on May 8, Dr. E. Hinden (paediatrician), on "Present-day paediatrics." Registration fee: 5s. (free to student members).

Research Fellowships

DANISH-BRITISH CO-OPERATION

APPLICATIONS are being invited for the Carlsberg-Wellcome Travelling Research Fellowships, 1959-60. Object of the Fellowships is to encourage co-operation, on an exchange basis, between Danish and British research workers in any branch of the natural sciences which has a bearing upon human and animal medicine. One Fellowship annually is awarded to a candidate from the United Kingdom for a year's work in Denmark, and one annually to a Danish candidate for a year's work in the United Kingdom. The stipend ranges from £800 to £1,200 per annum (or the equivalent sums in Danish Kroner), travelling and some incidental expenses being provided in addition. Tenure of the awards starts in September 1959. United Kingdom inquiries from candidates should be addressed to the Assistant Scientific Secretary, Wellcome Trust, 52 Queen Anne Street, London, W.1, and completed applications must be in before April 30.

Students' Congress

INTERNATIONAL MEETING IN HOLLAND

THE sixth congress of the International Pharmaceutical Students' Federation is being held at Nordwijk-on-Sea, Holland, September 5-15. The congress commemorates the tenth anniversary of the founding of I.P.S.F., and a total of about 175 students are expected to

attend. The programme of events includes social functions, excursions, and visits to pharmaceutical factories and institutions. For participants from Britain, accommodation costs £13 15s., and a deposit of £2 7s. 6d. is required. Return fare via Harwich and the Hook of Holland is about £11, but if there is a sufficiently large party there is a possibility of a reduction in fares. Full details and application forms are available from Miss H. Cranston, c/o 3 Maryland Way, Sunbury-on-Thames, Middlesex.

Aerosols on Display

PACKAGING CENTRE EXHIBITION

AN educative display of "Aerosols and Pressure Packaging" is on view at the Packaging Centre, 50 Poland Street, London, W.1, until April 8. Sixteen companies are participating and their displays cover all aspects, including propellents, valves, containers, coatings, formulations, machinery and equipment and contract filling. The display is planned to give a complete picture of what makes an aerosol or pressurised pack. Individual exhibits are supported by an illustrated guide to the processes used, the manufacturing sequence, recent developments and possible future applications. A separate section shows some successful products now put up in pressurised form. The display is open on weekdays from 10 a.m. to 5.30 p.m. Admission is free.

IRISH NEWS

THE NORTH

A New Milk Plant

COLERAINE-PRODUCED SANATOGEN

A NEW milk-processing plant, using 5 million gall. of milk a year, is being set up at Coleraine, Northern Ireland, by Fisons, Ltd., parent company of Genatosan, Ltd. Messrs. Fisons have decided to transfer the manufacture of Sanatogen nerve tonic from Loughborough, England, to the site of their milk-processing company Fisons Milk Products, Ltd., Coleraine. The new plant will cover an area of 20,000 sq. ft., and the transfer is being undertaken in two stages. Full production at Loughborough will continue until the end of July, then half the plant will be shut down and transferred to Coleraine. By the end of the year the transfer is expected to be complete, and by March 1960 in full production. About fifty additional people are required, of whom at least half will be men. Mr. P. S. Needham (managing director of Genatosan, Ltd.) states that Sanatogen manufacture was being transferred to Northern Ireland because supplies of milk in the Loughborough area are not sufficient to meet the present demand for the product. "We need 5 million gall. of liquid milk every year to manufacture Sanatogen," he said. "We can expect to receive locally little more than half this vast quantity in any year, and the balance has to be made up by buying milk powder, supplies of which are unreliable and uneconomic. At Coleraine we expect to obtain the liquid milk we require."

NEWS IN BRIEF

MR. C. H. Glassey has been elected *President* of the British Plastics Federation.

THE Board of Trade announce that they are considering an application for an increased protective duty on sodium hydrogen glutamate (*monosodium glutamate*).

THE lending library unit of the Department of Scientific and Industrial Research is collecting Chinese scientific literature and now has about 150 Chinese periodicals on regular order.

REGULATIONS published as S.I. 1959 No. 401 (S.15) and effective April 1 provide for the alteration from three years to four years of the term of office of members of Regional Hospital Boards.

AN order published as S.I. 1959 No. 412 provides for an increase of one in the membership of the General Optical Council by the nomination by the Privy Council of an additional lay member.

HYDROXYCHLOROQUINE sulphate tablets (Plaquenil tablets) have been added to the list of specially expensive drugs, appliances and reagents for the supply of which doctors receive payment over and above their capitation fees.

THE Treasury has made an Order (published as S.I., 1959, No. 423) which makes certain reductions in the import duties in accordance with or consequential upon the undertakings given by the United Kingdom in the tariff negotiations with Switzerland on the occasion of the provisional accession of the latter country to the General Agreement on Tariffs and Trade.

A LETTER from Leeds Regional Hospital Board on their recent decision to replace two members of Hull "A" Group Hospital management committee is to be considered by the "A" Group's general purposes committee. The letter says the Board have acted within their rights in replacing Mr. B. Foster, M.P.S., who had served on the committee for nine years, and another member. At their last meeting some members of the Hull "A" Group expressed strong disapproval at the Board's action.

SPORT

Gaelic Football.—COLLEGE OF PHARMACY junior team v. BENBURBS, at Phoenix Park, on March 15. Second round of the championship. The pharmacy team scored first and maintained their lead throughout. They finally won by 2-6 to 2-3. The scorers for the victors were T. Toner (1-1), M. Treacy (1-2), T. Moran (0-2), and M. Shannon (0-1).

Golf.—SOUTH LONDON AND SURREY PHARMACISTS' GOLFING SOCIETY. Officers for 1959-60:—*President*, M. Lewis; *Vice-president*, F. Jamieson; *Treasurer*, G. G. Watt; *Secretary*, G. G. Jamieson, 3 High Street, South Norwood, London, S.E.25. Sixty members and visitors attended the opening meeting of the season at Purley DOWAS golf club, on March 18. Results: *Scotia bowl* (presented by G. G. Watt), 1, D. J. Hobern, Walton Heath, 34; 2, G. Philp, Langley Park, 32 (better score on last nine holes); 3, W. J. Baldock, Croham Hurst, 32. *Scotia tankard*, G. Philp. *Visitors*, 1, F. Dawes, Shirley Park, 36; 2, T. Killick, Coulsdon, 35; 3, J. Hale, Walton Heath, 32.

TOPICAL REFLECTIONS

By Xrayser

Retail Selling

Your report (pp. 321-22) of the Retail Management Conference held at Harrogate recently gives some indication of the thought which goes into the selling of goods by retail today. "Maximising" traffic and "maximising" the profit on that traffic are fundamental in successful retail business on the large scale, and the most likely ways of securing those twin desirable objectives are the subjects of much thought and planning. To the experts whose task it is to devise ways and means of increasing sales and profits, and whose waking moments must be dedicated to hatching plans of an original and ingenious kind, the lack of method of some pharmacists must seem appalling. It is not true of all pharmacists, any more than of all grocers or haberdashers, but there are a few unprogressive and thoroughly charming pharmacists to whom the public cling, regardless of "loss-leaders" and the maximising of profits. Such apparently unambitious characters have, probably quite unknown to themselves, a personality which encourages people to seek their advice—and take it—and there is a very close link, forged over the years, between the individual and the family, resulting in a respect and a confidence which transcend window display, right price and position in the shop. It is true that such methods of conducting business seldom produce a Croesus but, to some, personal satisfaction produces a fuller life than the accretion of riches. The position of the private pharmacist today depends largely on the selling of himself to the people he serves, and, in competition with self-service and cut prices, there is still a comfortable, if limited, livelihood to be made.

Standard Strategy

In his paper on "Pricing for Profit" (p. 322) Mr. W. G. McLelland told the Conference that the standard strategy to increase "traffic" in retail business was to draw the people in by setting really low prices on a limited number of lines. "Leading the customer on to purchase more than she first intended, and to be glad she did so, is an art more than a science," said the speaker. To criticise the expert in such matters must appear to be rank heresy, but I am not without experience of the methods outlined by him. It is not necessary to have practised the methods to be aware of them. I have frequently been subjected to them in the rôle of consumer, and, frankly, they do not create a favourable impression on me. I never like to feel that I am being "got at." I was interested in the contribution to the discussion by Mr. W. K. Oliver (general sales manager, Boots Pure Drug Co., Ltd.), who found himself very much in the minority in his plea for standard prices for standard articles, and in his call for support for manufacturers who were active in enforcing price maintenance. Mr. Oliver said there was a difference between cutting the prices of cauliflowers and cutting the prices of standard articles. Would Mr. Oliver, I wonder, regard aspirin tablets as cauliflowers or standard articles? And when he argues that prices are cut, not in the interests of the country or the housewife, but "merely to collar the other fellow's trade," is Mr. Oliver not leaving himself open to question?

Receipts

Since the uncertainty created by the introduction of the Cheques Act of 1957, several questions have been asked in the House with regard to the stamping of receipts. The replies have not always been noted for their clarity, but perseverance brings its reward in Parliament as elsewhere. A written reply on March 12 (p. 313) states that the legal position is exactly the same as before. A receipt for £2 or more must be stamped, and a person who gives an unstamped receipt for such a payment, or refuses to give a stamped receipt when required to do so by the payer, is liable to a fine of £10. I shall expect to see, following the pronouncement, a change in the practice of many to whom I have occasion to send cheques. An early statement in such unequivocal terms would have cleared up the position long ago. "Returned for your records" has never seemed to me to be sufficient, leaving aside any question of common courtesy.

TRADE NOTES

A New Strength.—Eli Lilly & Co., Ltd., Basingstoke, Hants, have a new 25 mgm. strength of their anthelmintic Telmid (already available in 100-mgm. tablets).

Typographical Correction.—Aspro-Nicholas, Ltd., 225 Bath Road, Slough, Bucks, point out that, of the four products mentioned last week as having been discontinued, the fourth is Vire-drin, and not as previously stated.

Additional Strength.—Lederle Laboratories division of Cyanamid of Great Britain, Ltd., Bush House, Aldwych, London, W.C.2, announce that their Achromycin V capsules are available from April 1 in a 50-mgm. strength.

Sale Date Postponed.—Revlon International Corporation, 86 Brook Street, London, W.1, stated that, owing to manufacturing difficulties, the "on-sale" date for their new propelling eyebrow pencil is now April 27.

An Emergency Service.—J. H. Haywood, Ltd., Warser Gate, Nottingham, point out that, though their Easter holiday and stocktaking arrangements are as given in this column last week, they are maintaining an emergency service, except on Easter Sunday and Monday.

Especially for the Elderly.—William R. Warner & Co., Ltd., Eastleigh, Hants, point out that their Pacatal elixir has been launched especially for the treatment of elderly patients, to whom it is acceptable as a palatable presentation of the active ingredient.

Withdrawn.—DUNCAN, FLOCKHART & Co., LTD., 16 Wheatfield Road, Edinburgh, 11, have withdrawn the 30-mil size of Domogen therapeutic; the 10-mil size continues to be available.—A. WANDER, LTD., 42 Upper Grosvenor Street, London, W.1, have discontinued the 250-tablet and 1,000-tablet packs of Asmac.

Bed-wetting Controlled.—Paines & Byrne, Ltd., Greenford, Middlesex, offer, in their Di-Sipidin insufflations, a method of controlling enuresis in children symptomatically "on strictly physiological lines." The outfit contains an insufflator and twenty-five capsules (also available separately in containers of twenty-five, 100 and 500).

Bonus Offers

SMITH & NEPHEW, LTD., Welwyn Garden City, Herts. Elastoplast pocket strips. Offered for a limited period only at 7s. 6d. per doz. (instead of 8s. 6d.) on unit of 3 doz. (2 doz. fabric, 1 doz. waterproof). Two or more sales units may be bought at 7s. per doz.

O. R. GROVES, LTD., 20 Jermyn Street, London, W.1. Sunfresh orange. One bottle of Sunfresh orange, lemon glucose, or lemon barley glucose free with every case delivered between March 30 and April 30.

EDWARD TAYLOR, LTD., Monton, Eccles, Manchester. Taylors' first-aid dressings, waterproof Filmic dressings and adhesive zinc-oxide plaster. Extra 5 per cent. discount for two week's display. Quantity discounts: 3½ per cent. on £3-£6 order; 5 per cent. on £6-£15 order; 7½ per cent. on order over £15 in value.

NEW PRODUCTS

New Diuretic.—Boots Pure Drug Co., Ltd., announce the introduction of Hydrenox, a new oral diuretic stated to be at least ten times as potent as chlorothiazide. It is supplied as 50-mgm. tablets of hydroflumethiazide. The drug is effective orally and active in low dosage and is said to be capable of replacing the parenteral administration of diuretics.

"Easy-to-recognise" Capsules.—Smith Kline & French Laboratories, Ltd., Coldharbour Lane, London, S.E.5, are now issuing their Spansules in capsules with coloured/clear halves for quick identification. A distinctive colour is adopted for each product, and the clear half shows the pellets within. The varieties are Spansules of Dexedrine, Drinamyl, Histryl and phenobarbitone.

Ampoules of Vancomycin.—Eli Lilly & Co., Ltd., Basingstoke, Hants, announce the introduction of Vancocin brand vancomycin, a potent new antibiotic for the treatment of staphylococcal, streptococcal and pneumococcal infections in cases that do not respond to other antibiotics. Supplies of Vancocin are restricted to hospitals (careful supervision of the patient being necessary). The product is available in 10-c.c. ampoules for intravenous use, each containing 0.5 gm.

Antifungal Agent.—Imperial Chemical Industries, Ltd. (pharmaceutical division), Fulshaw Hall, Wilmslow, Ches, have added to their range of medical products Fulcin (the antibiotic griseofulvin), distinguished by its powerful antifungal properties. The product has proved highly effective when given by the mouth as a systemic treatment for dermatophytic infections, particularly those of the skin, hair and nails that do not respond to topical medication. Clinical experience so far available indicates that a daily dose of 1 gm. (one Fulcin tablet four times a day) is adequate for most cases. In severe infections, 2 gm. may be given initially to adults, reducing to 1 gm. when clinical response has occurred. Fulcin is presented in containers of 100 and 1,000 scored tablets of 250 mgm.

Tonic for the Middle-aged.—United Chemists Association, Ltd., Ucal Works, Cheltenham, Glos, are marketing a new counter speciality, Forty Plus tonic, for men and women of middle-age and over. The product contains vitamin B₁ with glycerophosphates of potassium sodium, iron and magnesium; strychnine hydrochloride; and caffeine. It is issued in cartoned bottles of two sizes.

Pocket Strip Dressings.—Smith & Nephew, Ltd., Welwyn Garden City, Herts, announce the introduction of Elastoplast pocket strips, a new presentation of the Elastoplast first-aid dressings. The strips, individually wrapped and sterilised, are sold in cartons of nine, and are available in both fabric and waterproof-type dressings, size 2½ x ¾ in. The product is being heavily advertised in the national and women's Press.

Talc in "Puffer" Bottle.—Josephine Kell, Ltd., 22 Old Bond Street, London, W.1, are marketing Californian Poppy talcum in a Flexi-puff (white

plastic puffer) bottle with the characteristic scarlet poppy motif. The talc is claimed to have a "muted, lingering quality which is truly contemporary."

For the Beauty Counter.—What is described as an "exciting new line for gift and beauty counters," perfumed Spun-gee, is a heart-shaped piece of sponge-like material impregnated with exotic flower fragrances and in a choice of pastel colours. The manufacturers are King Development Co., Ltd., Morley House, 320 Regent Street, London, W.1.

Wall Charts for Housecraft Teachers.—J. & E. Atkinson, Ltd., 24 Old Bond Street, London, W.1, are giving away in each copy of the March issue of *Home Economics* (a subscription magazine going to housecraft teachers) two "good grooming" wall charts with a letter emphasising the importance of appearance to young people. The charts are understood to have the approval of senior education officials. They show, by means of sketches and diagrams, how a girl can make the best of herself.

A New Perfume.—An "unforgettable new perfume" "Remember" launched by Goya, Ltd., 161 New Bond Street, London, W.1, has a smoky background. It is described as a "sophisticated complex of floral notes, including an 'impossibly sharp tuberose note'" and as a "sparkling flower cocktail with a lot of French and a dash of Italian." "Remember" has a high proportion of flower absolutes and costs more per oz. than any other perfume made by the company, but sells at the same prices. It is available in royal flacon, gift and classic flacons and handbag phial. Other products in the range are a 1-oz. perfumed Cologne and a perfumed Cologne stick; a 3-oz. tablet soap (also available in boxes of three); bath-size soap; bath blossoms; bath salts; perfumed talc and bath dusting powder.

Mains Shaver by Battery Makers.—A newcomer to the field of electric dry shavers, the Figaro, is a mains shaver introduced by the Ever Ready Co. (Gt. Britain), Ltd., Britain's largest manufacturers of electric batteries. British made, and conforming to British Standards Specification BS 2991:58, the Figaro has an exclusive detachable foil, exclusive "snap-up" trimmer, robust power unit, quiet running, self-starting, dual voltage, on/off switch operated by a flick of the thumb, bayonet-cap adaptor for use from a light-socket, and handsome presentation case. Three models are available: the Figaro I, a *de luxe* version; the Figaro II, embodying many features of the *de luxe*; and the Figaro III, economy shaver. Extensive advertising is being undertaken, and supporting show material and leaflets are available. Release date is April 27, when the campaign is being launched in South-east England.

INFORMATION WANTED

The Editor would appreciate information about:

- Benrodin
- Heatex hot-water bottle
- Longlife power pills
- MPM nasal spray
- Hydrovitan vitamin ampoules

IN PARLIAMENT

ADVERTISEMENTS by tooth-paste manufacturers were discussed at question time on March 19 when Miss F. E. BURTON unsuccessfully asked the President of the Board of Trade to reconsider his decision not to amend the Merchandise Marks Act so that tooth-paste manufacturers and others have to substantiate statements in advertisements.

MR. VAUGHAN-MORGAN (Minister of State, Board of Trade), replying to a question by Mr. W. N. WARBEY, stated that no official estimates were made of the total expenditure on advertising in the United Kingdom but the estimate for 1957 by the Advertising Association was £334 millions. Mr. Warbey asked if in view of those estimates that the United Kingdom advertisements in overseas markets were costing £13 millions would the Minister consult with the Chancellor of the Exchequer to consider ways of discouraging frivolous advertising. MR. VAUGHAN-MORGAN said: "No Sir . . . I would point out that advertising expenditure now represents about the same proportion of the national income as before the war."

Aspirin in Hospitals

MR. J. RANKIN asked the Minister of Health on March 23 what directions he had given to hospital authorities on purchases of "patented varieties of aspirin" and "is he aware that . . . one variety is widely advertised at six tablets for sixpence against twenty-four tablets of aspirin for fourpence"? MR. DEREK WALKER-SMITH said that guidance had been issued to hospital medical staff to avoid "expensive proprietary preparations where alternatives exist and not to prescribe preparations advertised direct to the public. DR. E. SUMMERSKILL asked if the prescriptions were examined in the same way as in general practice and the doctor communicated with where necessary. The Minister replied that there were two different sets of circumstances but economy was enforced in hospitals through regional machinery.

Mecamylamine Costs

MR. M. EDELMAN asked the Minister if he would make a statement on the price of mecamylamine hydrochloride in view of the fact that following comments in the House the manufacturers had reduced their prices by about 15 per cent. to hospitals but had not given the reduction to the medical profession as a whole. MR. R. THOMSON (Parliamentary Secretary, Ministry of Health) said the Minister was in touch with the manufacturers. Mr. Thomson understood that the prices of the larger packs were reduced on March 16, the reductions resulting from a review of demand made in January when a new plant was opened. "I am informed that the pattern usually followed by the company is to reduce prices to hospitals first and to follow this with a reduction to the trade generally and that it is proposed to follow this course for this drug."

Sterilisation Services in Hospitals

DR. D. JOHNSON asked the Minister of Health what steps he proposed to take to determine who had the final

responsibility for efficient sterilisation of instruments and dressings in a National Health Service hospital.

MR. WALKER-SMITH: Yes, I shall shortly be sending a memorandum to hospital authorities on this matter, including the advice that one member of the medical staff should be charged with the supervision of sterilisation services in each hospital.

Protecting the Customer

MR. F. WILLEY moved on March 20 that the Government should review the present safeguards to protect the consumer, encourage organisations seeking to assist the consumer and improve standards, and where necessary provide further safeguards. He suggested that a consumers' council should be established for that purpose; there was a precedent, he said, in the Arts Council. Despite recent legislation, many things required to be done, even in respect of food and drugs. There were also the questions of hire purchase and false descriptions and the sale of habit-forming drugs. MR. PHILIP GOODHART said that a consumers' council could do useful work by providing consumer education, a complaint service, advice to manufacturers, and could even establish standards. The Government should be careful about embarking upon comparisons of quality and using public money to subsidise public organisations which tested the goods.

Before the debate was adjourned, MR. JOHN RODGERS (Parliamentary Secretary, Board of Trade) said that the Government intended to set up a com-

mittee to consider the problem. "I hope within days or weeks to be able to announce both the terms of reference and the name of the chairman and the persons who will constitute that committee." He also promised that a new Weights and Measures Bill would be introduced.

Purchase Tax

MR. G. NABARRO asked the Chancellor of the Exchequer on March 24, approximately what percentage of the total revenue was represented by the current yield of purchase tax; and what such percentage would be if all goods liable to tax at 60 per cent. became liable to tax at 30 per cent., and if the 30 per cent. tax were abolished on goods liable to such rates on Groups 12, 19 (a), 26 (b), 27 and 28.

MR. D. HEATHCOAT AMORY (Chancellor of the Exchequer): "The Budget estimate of £490 millions for the yield of purchase tax in the current financial year represented 9 per cent. of the estimated total ordinary revenue. The estimate included about £209 millions in respect of goods chargeable at 60 per cent. and about £88 millions in respect of the 30 per cent. goods mentioned.

MR. NABARRO then asked the Chancellor if he was aware that this was the 194th purchase tax question from himself in the 1958-59 series. THE CHANCELLOR: "I realise that this is the last shoot of the season, and, because I am very anxious that he should not go home without something in the bag, I should like to assure him that, in the review of taxation which I am now in the course of making, I shall give full consideration to his views."

COMPANY NEWS

Last year's figures in parentheses

MORGAN BROTHERS (PUBLISHERS), LTD.—Sir E. R. Chadwyck-Healey, Bt., M.C. has been appointed a director of the company.

ALBRIGHT & WILSON, LTD.—Ordinary dividend is raised from the equivalent of 16 per cent. to 17 per cent. with a second interim of 13 per cent. for 1958. Consolidated trading profits expanded from £4,754,000 to £5,388,000. After depreciation and tax, the net balance is £111,000 higher at £1,723,000. The proportion of profits taken by the tax charge is higher than in 1957 when it was abnormally low owing to tax allowances which were mainly confined to that year.

SMITH & NEPHEW ASSOCIATED COMPANIES, LTD.—Group profit advanced from £1,496,408 to £1,949,162 in 1958, and the dividend is raised from 6½d. to 7½d. per 4s. share. The 1957 profit does not include Southalls (Birmingham), Ltd., and Arthur Berton, Ltd. If the 1957 figures were adjusted to include those companies the 1958 group profit would show an increase of 7.7 per cent. Taxation, £927,003 (£859,984), and net profit, £985,404 (£627,788).

JEYES' SANITARY COMPOUNDS, LTD.—Provided the situation at home and abroad remains stable Mr. T. B. Brown (chairman) views the future with confidence. Net sales for 1958 were a

record and as a result of the organisation being greatly strengthened good results are anticipated. Following the revaluation in December 1958, freehold land and buildings as shown in the parent's balance-sheet have been increased by £92,244, and in view of this the directors did not consider it necessary to provide for depreciation of freehold land and buildings in respect of that year's accounts. Future depreciation will be calculated on the revised values.

MONSANTO CHEMICALS, LTD.—Expenditure on capital projects during 1958 was £3,461,106 and at the year-end outstanding commitments totalled approximately £1,965,000 (£1.65 millions). Of the company's sales of £15.46 millions (£15.68 millions), direct exports were responsible for 35 per cent. (41 per cent.). Group net profits declined from £1,078,557 to £992,415 in 1958 because of reduced profit margins, initially high operating costs of new and expanded plants brought into production and to the marked reduction in export sales turnover. As previously stated (*C. & D.*, February 28, p. 222), the year's dividend is repeated at 13½ per cent. Sir Miles Thomas (chairman) expects an increase in turnover this year, but adds that the relative profit position will continue to be subject to those factors encountered last year. The intention to expand production of aspirin, phenacetin and their intermediates, is again expressed.

LEGAL REPORTS

Misuse of Prescriptions

FOR obtaining drugs for his own use on National Health Service prescriptions, Dr. Bernard John Barnett, Adams Road, Woodford Halse, Rugby, was at Rugby recently put on probation for three years. Dr. Barnett pleaded guilty to twenty-six charges of obtaining by false pretences a mixture containing morphine hydrochloride and sodium bicarbonate. Prosecution said Barnett had been a drug addict for many years, and had been a patient in hospital for two spells. For the doctor it was said: "This is a case of fraud, but it is fraud by drug addiction and not by a man in full possession of his moral powers. There has been a long history of painful illness."

BUSINESS CHANGES

FORSTERS (PHARMACEUTICALS), LTD., 124 Westgate Road, Newcastle-on-Tyne, are shortly closing their business.

MR. J. M. BLAU, M.P.S., has acquired the pharmacy of the late Mr. C. A. Moore, 350 Eastern Avenue, Ilford, Essex, and is to trade as J. Blau (Chemists), Ltd.

MR. JAMES AULD, M.P.S., has taken over the business of Mr. Hugh Dewar, Main Street, Newmilns, Ayrshire. Mr. Auld received his training in the pharmacy he is acquiring. He afterwards moved to Muirkirk.

R. P. BRISTOW, LTD., chemists, High Wycombe, Bucks, have disposed of their businesses in the town. The shop at 17 Oxford Street, has been taken over by Mr. G. F. S. Hussey, M.P.S. (trading as R. P. Bristow) and the premises at 3 Crendon Street by Mr. M. E. Seymour, M.P.S. (trading as the Crendon Pharmacy, Ltd.).

EVANS MEDICAL SUPPLIES, LTD., Speke, announce that the following companies in the group are now operating under new names:—Evans Medical (Northern), Ltd., Newcastle-on-Tyne (formerly Evans Medical Supplies (Northern), Ltd.); Evans Medical (India) Private, Ltd., Bombay, Calcutta and Madras (formerly Evans Medical Supplies (India) Private, Ltd.); Evans, S.A., Paris, France (formerly Laboratoires Evans S.A.); Evans Medical (Ireland), Ltd., Dublin (formerly Evans Medical Supplies (Ireland), Ltd.).

Appointments

WHIFFEN & SONS, LTD., 95 Wigmore Street, London, W.1, have appointed Mr. Frank H. Taylor sales manager for both industrial and pharmaceutical chemicals with effect from April 1. Mr. Taylor has been sales manager (pharmaceuticals) and Southern representative of the company for many years.

THE DISTILLERS CO. (BIO-CHEMICALS), LTD., Broadway House, London, S.W.19, announce the following appointments:—Mr. J. M. Butters (manager, export sales department (general)); Mr. W. G. Poole, M.P.S. (manager, export sales department (specialities)); Mr. G. N. Henderson, B.Sc., M.R.C.V.S. (manager, veterinary department).

DEATHS

ATTEWELL.—Recently, Mr. Oscar Hebbly Attewell, M.P.S., Ringmer Cottage, Wembley Avenue, Laneing, Sussex. Mr. Attewell qualified in 1909.

CHAPMAN.—In Lochmaben Hospital, recently, Mr. William Chapman, M.P.S., Hillside, Lockerbie, Dumfriesshire, aged sixty-five. A native of Wishaw. Mr. Chapman was in business on his own account in Shotts for nearly twenty years. He gave up pharmacy and went to Dumfriesshire to take over a farm. About four years ago, however, when the chemist's business belonging to the late Mr. Duncan Campbell, 62 High Street, Lockerbie, came into the market, he acquired it.

HAYES.—At St. Brendan Street, Portumna, co. Galway, Eire, on March 18, Mrs. Kathleen Hayes, wife of Mr. Robert W. Hayes, L.P.S.I.

HERISSEY.—In Paris recently, Professor Henri Hérissé, the most senior honorary member of the Pharmaceutical Society. Dr. Hérissé was for many years professor in the Faculty of Pharmacy of the University of Paris and in 1955 was elected president of the National Academy of Medicine. He was a member of the Council of the Ordre National des Pharmaciens de France for a considerable period. He was a commander of the Legion of Honour and of the *Ordre de la Santé Publique*. In the 1914–18 war he won the *Croix de Guerre* and in 1923 was appointed an honorary member of the Pharmaceutical Society of Great Britain.

HUNNINGS.—At North Middlesex Hospital, on March 20, Mr. Thomas March Hunnings, M.P.S., 91 High Street, Waltham Cross, Herts, aged sixty. Mr. Hunnings was formerly in business at 25 High Street, Enfield, Middlesex.

MILLER.—On March 17, Mr. Robert Miller, Armitage Road, Golders Green, aged nineteen. Mr. Miller was a student at the School of Pharmacy, University of London, and had recently been elected chairman of the pharmaceutical students' union at the university.

SCOTT.—At Canniesburn Hospital, on March 15, Mr. William Scott, M.P.S., 9 West Chapelton Avenue, Bearsden, Glasgow. Mr. Scott, who qualified in 1917, was formerly in business at Rutherglen.

SHAW.—Recently, Mr. Geoffrey Shaw, F.P.S., 21 Wharnclyffe Road, Sheffield, 10, Yorks. Mr. Shaw, who qualified in 1944 was laboratory chemist with G. T. W. Newsholme, Ltd., Sheffield, until 1945, when he took up an appointment as first assistant pharmacist at the Royal Hospital, Sheffield. He later joined the teaching staff of the Pharmacy Department, University of Manchester, where he was also an Allen & Hanburys Research Fellow. In 1952 he took up a lecturing post in the pharmacy department of Bradford Technical College.

WALKER.—On February 2, Mr. Alexander Fred Walker, F.P.S., 92 The Glade, Shirley, Croydon, Surrey. Mr. Walker qualified in 1912.

PERSONALITIES

MR. R. A. JACKSON, F.P.S., Whitley Road, Whitley Bay, has been elected chairman of the local chamber of trade and commerce.

DR. DAVID TRAILL (research director of the Nobel division, Imperial Chemical Industries, Ltd.), has been elected a Fellow of the Royal Society of Edinburgh.

MR. F. G. BELL, M.P.S., Holymoorside, Chesterfield, who recently retired from management of the Chesterfield branch of Boots, Ltd., was given a farewell dinner. Mr. Bell qualified in 1924.

MR. J. A. EGGLESTON, B.Sc., F.R.I.C. (head of the standards laboratory at the Airdrie factory of Boots Pure Drug Co., Ltd., since that works was opened ten years ago) is retiring on April 1.

MRS. VIVIAN JUNE BURNS, who has been appointed a director of N. C. Brown, Ltd., Eagle Steel Works, Heywood, was the company's secretary and is Mr. N. C. Brown's daughter. At twenty-two years of age she is the company's youngest-ever director, and almost certainly the country's youngest director in the steel equipment business.

MISS KATHLEEN TOES, M.P.S., who has been chief pharmacist at the Leeds Hospital for Women for the past twenty-six years is retiring at the end of March. Miss Toes qualified in 1930 after training at the former Leeds College of Pharmacy, and took over her present appointment in 1933. In 1948 she temporarily worked part-time in the pharmacy department, General Infirmary of Leeds.

MR. V. WALTERS, B.Pharm., F.P.S., has been awarded the degree of Doctor of Philosophy, University of London, for a thesis entitled "Studies on Bacterial Populations in Solutions of Phenols." Dr. Walters studied under Dr. H. S. Bean at Chelsea School of Pharmacy, where he was a member of the staff. He was recently appointed senior lecturer in pharmaceuticals at the Nigerian College of Technology, Ibadan.

MR. NORMAN BERRY, M.P.S., M.S.M.A., is leaving early in April to take over the post of general sales manager of Burroughs Wellcome & Co. (Pakistan), Ltd. Mr. Berry joined Burroughs Wellcome & Co. as a medical representative in 1946 following demobilisation. Previously he had served in private and multiple retail pharmacies and during the war with the R.A.M.C. during the siege of Malta. He was later commissioned into the R.A.S.C. and served in the United Kingdom and in Germany. From 1946 to 1954 he represented the Wellcome



Foundation, Ltd., in East Lancashire, being appointed president of the Bolton branch of the Pharmaceutical Association in 1951. Since 1954 Mr. Berry has been sales executive, and later assistant manager, home sales department (medical) until February 1958 when he was promoted manager of the home sales department (veterinary), the appointment he is now leaving to go to Pakistan.

DR. DANIEL EDWARDS, who has been on the staff of the Royal College of Science and Technology, Glasgow, since 1953, has been appointed head of the school of pharmacy at Robert Gordon's Technical College, Aberdeen, in succession to Dr. J. E. Bowen, who is retiring. Dr. Edwards, who was educated at Keith Grammar School, qualified as a pharmaceutical chemist at Gordon's and graduated B.Sc. with second class honours at Aberdeen University. He was awarded the Ph.D. of Glasgow University for a thesis on tuberculostatic agents. Dr. Edwards

has been assistant secretary to the Glasgow and West of Scotland section of the Royal Institute of Chemistry. The appointment is subject to the approval of the Scottish Education Department.

DR. PETER HANSELL (director of the medical photography departments, Westminster Hospital, London, and at the Institute of Ophthalmology) has relinquished editorship of *Medical and Biological Illustration*. His successor is Mr. C. E. Engels (chief photographer, Guy's hospital medical school). Dr. Hansell has been editor of the journal since its inception in 1950, and his contributions to medical photography have been widely acknowledged. His published work includes: "35 mm. Film-strip Technique" (Ilford, Ltd.); (with E. S. Perkins) "An Atlas of Diseases of the Eye" (J. & A. Churchill, Ltd.); and "A System of Ophthalmic Illustration" (Blackwell Scientific Publications, Ltd.). Dr. Hansell is maintaining his connection with the paper as a

member of its editorial advisory board.

MR. C. S. BANGAY, M.S.M., F.C.I.S., A.C.I.S. (Clerk to the London Executive Council), retires on March 31. For almost six years Mr. Bangay has been editor of the *Officer* (the journal of the Association of Officers of Executive Councils and Pricing Committees). He was president of the Association, 1957-58. Dr. J. Green (chairman, London Executive Council) writes: "Mr. C. S. Bangay has been a member of the staff of the London Insurance Committee since 1913 and was appointed Clerk to the Executive Council in 1953. Many members of the pharmaceutical profession have good cause to remember him for his willing and helpful advice. His attendance at the London Pharmaceutical Committee has helped to maintain the cordial relations that exist between the two bodies." On March 26 the Executive Council placed on record its high appreciation of Mr. Bangay's services.

Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

Personal Planning for the Future

SIR,—As a pharmacy student, hoping to qualify during the course of the next few months, may I mention certain aspects of the future that unduly engage the attention of many young men. Students realise that current trends divert technical staff in industry into non-administrative posts and that the majority of graduates inevitably drift aimlessly into the backwater of routine work. On the other hand arts graduates are frequently sought by industry for management training. The theoretical combination of commercial and technical men cannot be a happy partnership. We would welcome advice from those in a position to appreciate our frustrated hopes of the future as to the course our activities should take if we are to hope to succeed to the higher administrative positions which industry has to offer.

TWENTY

Glucose Beverages

SIR,—I read with interest your leading article on "Soft Drinks and What They Contain" (*C. & D.*, March 7, p. 265), in which you refer to glucose beverages. As this company has supplied a leading glucose beverage to pharmacists for many years, perhaps you will allow me to comment. I agree entirely that it may be claimed that some of the references cited in the note by the Committee on Medical and Nutritional Aspects of Food Policy (appendix B) "should be interpreted in a different way." In actual fact the conclusions drawn by that Committee from the references quoted are quite invalid and frequently irrelevant. In addition, there are errors of commission and omission and the note is obscure and contradictory. I would like to illustrate these points.

(1) An example of one of the errors of commission is seen in paragraph 2,

which states:

There is no significant difference in the total amount of energy contributed by similar quantities of sucrose, glucose or the products of the acid hydrolysis of starch known as "liquid glucose" when given by mouth. Sucrose may even contribute a larger amount (perhaps 5 per cent. more) than glucose given in this way, certainly not less.

If the argument is considered relevant, why is it not also mentioned that the energy value of the solids of liquid glucose is about 3 per cent. greater than that of sucrose?

(2) It is an extraordinary omission that no reference is made to the original work of C. F. Cori (*J. biol. Chem.*, 1925, 66, 691), who showed that dextrose was absorbed more than twice as fast as fructose. That work has been adequately confirmed over the years by many workers using different techniques.

(3) Paragraphs 3 and 8 of the note are contradictory. Paragraph 3 states quite unequivocally that:

The issue therefore is whether the energy of glucose or the components of "liquid glucose" is made available to the body more rapidly than that of sucrose when these sugars are given in solution by mouth.

but the Committee, realising the weakness of their position, state in paragraph 8 that:

It is to be doubted whether there is any advantage in presenting to the human being a drink which contains a sugar which is a little more rapidly metabolised than others. . . .

Paragraph 6 illustrates one of the many obscurities, for it states that:

. . . fructose has an advantage over glucose in ease of utilisation by the body when there is a deficiency of insulin or a tendency towards such a deficiency.

I assume that the reference here is to diabetes or incipient diabetes. Insulin

deficiencies do not occur in the normal (non-diabetic) person. The muddled thinking evident in the Report on Soft Drinks would appear to be infectious, for in your leading article you state, in relation to the nutritional value of glucose drinks, that:

Pharmacists, among others, would demand proof by clinical trial, since doctors, like other members of the community, are prone to be influenced by continuous advertising pressure.

I infer that pharmacists and "others" are not influenced by advertising whereas the general public and members of the medical profession are! Pharmacists should realise that the medical profession recommends glucose drinks from experience gained from trials in many thousands of patients—the patients being their own controls. When a nauseated subject is given glucose, he usually retains it, whereas, if he is offered even a "light diet" he vomits. We must, sir, keep our sense of proportion in this matter—glucose drinks are of unquestionable value in the sick-room. Your leading article also makes a reference to the disposal of profits in relation to research. Beecham Group, the proprietors of Lucozade, have certainly ploughed profits back into research for many years. Fundamental carbohydrate research is carried out, though the main effort has, up to now, been devoted to other ends. May I suggest that you refer to your newspapers for March 6 and 7 and consider the source of the finance that made the recent penicillin break-through possible.

E. T. KNUDSEN, M.B., B.S.,
M.R.C.S., L.R.C.P.

BEECHAM GROUP, LTD.,
Brentford, Middlesex

DID YOU READ IT?

THE solution to last week's "Can You Read it?" poser was:

Pil. Ferri et Aloes

[T.] t.d.s.p.c. 48

INTERNATIONAL NON-PROPRIETARY NAMES

Proposals by World Health Organisation

THE World Health Organisation has issued the following list of names which are under consideration as international non-proprietary names. Comments on, or formal objections to, the proposed names may be forwarded by any person to the Pharmaceutical Section of the World Health Organisation until June 30. Inclusion of a name in the list of proposed international non-proprietary names does not imply any recommendation for the use of the substance in medicine or pharmacy.

PROPOSED NAME	CHEMICAL NAME OR DESCRIPTION
dextropropoxyphenum	(+) - 4 - dimethylamino - 3 - methyl - 1,2 - diphenyl - 2 - propionoxybutane
dextropropoxyphene	
dimenoxadololum	dimethylaminoethyl 1 - ethoxy - 1,1-diphenylacetate
dimenoxadol	
levopropoxyphenum	(-) - 4 - dimethylamino - 3 - methyl - 1,2 - diphenyl - 2 - propionoxybutane
levopropoxyphene	
nicomorphinum	di-nicotinic acid ester of morphine
nicomorphine	
norecodeinum	N-demethylated codeine
norcodeine	
normorphinum	N-demethylated morphine
normorphine	
noscapinum	(-) - 2 - methyl - 8 - methoxy - 6,7 - methylenedioxy - 1 - (6,7 - dimethoxy - 3 - phthalidyl) - 1,2,3,4 - tetrahydroisoquinoline [name used previously: narcotine]
noscapine	

In accordance with the procedure for the selection of recommended international non-proprietary names the following are recommended.

RECOMMENDED NAME	CHEMICAL NAME OR DESCRIPTION
acetylmethadolum	6 - dimethylamino - 4,4 - diphenyl - 3 - acetoxyheptane
acetylmethadol	
alphacetylmethadolum	α - 6 - dimethylamino - 4,4 - diphenyl-3-acetoxyheptane
alphacetylmethadol	
alphamethadolum	α - 6 - dimethylamino - 4,4 - diphenyl-3-heptanol
alphamethadol	
anileridinum	1 - [2 - (p - aminophenyl) - ethyl] - 4 - phenylpiperidine - 4-carboxylic acid ethyl ester
anileridine	
betacetylmethadolum	β - 6 - dimethylamino - 4,4 - diphenyl-3-acetoxyheptane
betacetylmethadol	
betamethadolum	β - 6 - dimethylamino - 4,4 - diphenyl-3-heptanol
betamethadol	
betaprodinum	β - 1,3 - dimethyl - 4 - phenyl - 4-propionoxypropylpiperidine
betaprodine	
desomorphinum	dihydrodesoxymorphine
desomorphine	
diethylthiambutenum	3 - diethylamino - 1,1 - di - (2-thienyl)-1-butene
diethylthiambutene	
dimethylthiambutenum	3 - dimethylamino - 1,1 - di - (2-thienyl)-1-butene
dimethylthiambutene	
dipipanolum	4,4 - diphenyl - 6 - piperidino - 3-heptanone
dipipanone	
ethoheptazinum	1 - methyl - 4 - carbethoxy - 4-phenylhexamethylencimine
ethoheptazine	
ethylmethylthiambutenum	3 - ethylmethylamino - 1,1 - di - (2-thienyl)-1-butene
ethylmethylthiambutene	
hydroxypethidinum	1 - methyl - 4 - (3 - hydroxyphenyl) - piperidino - 4 -

hydroxypethidine	carboxylic acid ethyl ester
levallorphanum	(-) - 3 - hydroxy - N - allylmorphinan
levallorphan	
levorphanolum	(-) - 3 - hydroxy - N - methylmorphinan
levorphanol	
metethoheptazinum	1,3 - dimethyl - 4 - carbethoxy - 4-phenylhexamethylencimine
metethoheptazine	
metheptazinum	1,2 - dimethyl - 4 - carbomethoxy - 4 - phenylhexamethylencimine
metheptazine	
methylidesorphinum	6-methyl- ⁶ -desoxymorphine
methylidesorphine	
methylidihydromorphinum	6-methylidihydromorphine
methylidihydromorphine	

myrophinum	myristyl ester of benzylmorphine
myrophine	
normethadolum	4,4 - diphenyl - 6 - dimethylamino-3-hexanone
normethadone	
oxpheneridinum	1 - (2 - phenyl - 2 - hydroxyethyl) - 4 - carbethoxy - 4 - phenyl-piperidine
oxpheneridine	
oxymorphonum	dihydrohydroxymorphinone
oxymorphone	
phenomorphanum	3-hydroxy-N-phenethylmorphinan
phenomorphan	
proheptazinum	1,3 - dimethyl - 4 - phenyl - 4 - propionoxyhexamethylencimine
proheptazine	
properidinum	1 - methyl - 4 - phenylpiperidine - 4 - carboxylic acid isopropyl ester
properidine	
propoxyphenum	4 - dimethylamino - 1,2 - diphenyl - 3 - methyl - 2 - propionoxybutane
propoxyphene	

BRITISH PHARMACEUTICAL CONFERENCE

Preliminary programme for Bournemouth meeting

THE preliminary programme of the 1959 meeting of the British Pharmaceutical Conference, to be held in Bournemouth, September 21-25, is:—

MONDAY (September 21).—At 10.30 a.m., coffee in the pavilion ball-room; at 11.15, opening session and address by chairman of the Conference in the pavilion ball-room; at 2.30 p.m., science session in the grand hall, town hall; at 2.30, ladies' excursion; at 8 for 8.30, civic reception and dance in the pavilion ball-room.

TUESDAY (September 22). — At 9.30 a.m., professional session in the grand hall, town hall; at 9.30, science session in the pavilion popular restaurant; at 9.30, ladies' excursion; at 2.30 p.m., science session in the grand hall, town hall; at 2.30, ladies' excursion; at 7.15 for 7.45, conference banquet in the pavilion.

WEDNESDAY (September 23).—At 9.30 a.m., science session in the grand hall, town hall; at 12 noon, Conference luncheon in the pavilion ball-room; at 1 p.m., Conference excursion (afternoon tea *en route*). Evening free.

THURSDAY (September 24).—At 9.30 a.m., symposium session in the grand hall, town hall; at 9.30, ladies' excursion; afternoon, sports; evening, theatre.

FRIDAY (September 25).—At 9.30 a.m., professional session in the grand hall, town hall; at 9.30, science session in the pavilion popular restaurant; at 9.30, ladies' excursion; at 2.30 p.m., science session in the pavilion popular restaurant; at 3.45, afternoon tea in the pavilion ball-room; at 4.15, closing session in the pavilion theatre; at 8 for 8.30, Conference ball in the pavilion ball-room (buffet refreshments).

TICKETS.—Books of tickets (Monday-Friday inclusive) are £4 each. Day tickets are being issued for the events of any one day, if accommodation is available, at 30s. for Monday, Wednesday, Thursday, or Friday, and 15s. for Tuesday. There is room at the banquet for all attending the Conference and tickets for that are available separately at an additional cost of £1 11s. 6d. each, and may be purchased by holders of books of tickets or holders of day

tickets for Tuesday. A limited number of places are available for gentlemen on the ladies' excursions on payment of an additional charge.

ACCOMMODATION. — Accommodation has been reserved at a number of hotels. Applicants are asked to give details of their requirements on the appropriate form on receipt of which arrangements are made for suitable hotels to confirm the bookings with the applicants. As the Conference Local Committee must confirm reservations by June 1, they are unable to guarantee accommodation applied for after that date. Most of the hotels require a booking or payment for a full week. Members return to their hotels for lunch each day with the exception of Wednesday, the day of the Conference excursion, when lunch is being provided, a ticket for which is included in the ticket for that day and in the books of tickets.

APPLICATIONS. — Applications for tickets and accommodation should be made on the appropriate form obtainable from the Conference honorary general secretaries, 17 Bloomsbury Square, London, W.C.1, and from the honorary local secretary, Mr. D. F. Smith, 12 Redhill Crescent, Bournemouth. Completed forms together with remittance (made payable to B.P.C. Bournemouth Committee), should be sent to the honorary local secretary so soon as possible.

ROYAL SOCIETY

New Fellows elected

THE following are among newly elected Fellows of the Royal Society:—DR. G. H. BEALE, M.B.E. (senior lecturer in genetics, University of Edinburgh institute of animal genetics) for researches on the genetics of flower pigments and on nucleus-cytoplasm relations in *Paramecium*. PROFESSOR FRANZ BERGEL (professor of chemistry, University of London, at the Chester Beatty Research Institute of the Institute of Cancer Research, Royal Cancer Hospital) for work in synthetic organic chemistry in the field of vitamins and drugs. DR. ANN BISHOP (director of

Medical Research Council group for research in chemotherapy at the Moltano Institute of Biology and Parasitology, Cambridge) for work on the malaria parasite and its resistance to drugs. PROFESSOR G. E. BLACKMAN (Sibthorpean professor of rural economy in the University of Oxford department of agriculture) for research work on the ecology of wild and cultivated plants and on weed-killers. PROFESSOR A. R. CLAPHAM (professor of botany, University of Sheffield) for research upon important aspects of ecology and taxonomy. DR. F. H. C. CRICK (member of staff, Medical Research Council unit for research on the molecular structure of biological systems, Cavendish Laboratory, Cambridge) for contributions to molecular biology. DR.

D. W. W. HENDERSON, C.B. (director, Ministry of Supply microbiological research establishment, Porton, Wilts), for work on aerosols and the pathogenesis of air-borne infections. DR. R. D. KEYNES (lecturer in physiology, University of Cambridge physiological laboratory) for work on ionic movements in nerve and muscle, etc. PROFESSOR R. J. W. LE FEVRE (professor of chemistry, University of Sydney and head of its school of chemistry) for studies of the physical properties of organic compounds. PROFESSOR W. C. PRICE (professor of physics, University of London, King's College) for contributions to chemical physics, especially spectroscopy. DR. R. E. RICHARDS (lecturer in chemistry, University of Oxford physical chemistry laboratory) for

work on nuclear magnetic resonance and its application to chemical problems. DR. R. SPENCE, C.B. (chief chemist and head of chemistry division, Atomic Energy Research Establishment, Harwell) for work on chemistry of radioactive elements. DR. J. F. TAIT (Worcester Foundation, Shrewsbury, Massachusetts, U.S.A.) for work on the hormones of the suprarenal cortex. MRS. S. A. S. TAIT (Worcester Foundation) for work on the hormones controlling the distribution of salts in the body. DR. M. H. F. WILKINS (deputy director, Medical Research Council biophysical research unit, King's College, London) for contributions to the development of reflexion and interference microscopy, and for work on the structure of nucleic acids.

N.H.S. ACCOUNTS, 1957-58

Pharmaceutical services costs

THE amount paid to pharmacists in England and Wales for dispensing fees under the National Health Service in the year 1957-58 was £12,790,000; in Scotland it was £1,688,000 during the same period. The cost of drugs and appliances was £38,145,000 in England and Wales and £4,336,000 in Scotland. Those figures are given in the summarised accounts for 1957-58 published by H.M. Stationery Office (Nos. 105 and 106, price 3s. and 1s. 6d. respectively).

Hospitals

The national average net in-patient cost per week and per case respectively for all Acute hospitals in England and Wales were £22 12s. 5d. and £46 6s. in hospitals administered by Hospital Man-

agement Committees; and £30 10s. 2d. and £64 7s. 10d. in hospitals administered by Boards of Governors. Where the cost per week was £22 odd, the amount attributed to drugs is 14s. 9d. and to dressings, 5s. 6d.

Scotland

The cost to the Exchequer for the Pharmaceutical Services in Scotland in 1957-58 was £661,090 (or 11.7 per cent.) more than in 1956-57. The gross sums due to chemists for dispensing prescriptions increased by £907,230, the number of prescriptions dispensed being 20,908,000 at an average cost of 82.2d. as against 21,343,000 in 1956-57 at an average cost of 70.8d. The average cost of ingredients per prescription rose by eightpence; in addition dis-

pensing fees cost more as 1957-58 was the first year in which the full effect was felt of the revision of chemists' remuneration as from September 1, 1956.

The charges paid by patients in respect of prescriptions realised £257,100 more than in 1956-57, when the new charge of one shilling per prescription instead of one shilling per form was in operation for only part of the year. The following table is an analysis of the payments for the Pharmaceutical Services in Scotland and in England and Wales:—

Drugs, dressings, instruments cost the Regional Hospital Boards in Scotland £2,056,437 during the year or 5.5 per cent. of the gross hospital running cost total.

SCOTLAND		Contractors	
	£	£	£
1. Payments to pharmacists:—		1,945	
(a) gross sums due	7,289,634		
(b) less charges to patients ...	1,106,810		
			6,182,824
2. Payments for rota scheme ...			4,934
3. Payments to medical practitioners for supply and dispensing of drugs, etc.:—		173	
(a) gross sums due	126,547		
(b) less charges	162		
			126,385
4. Superannuation			5,062
5. Provision of services at Health Centre:—			
(a) Pharmacists' salaries, etc.	1,616		
(b) Superannuation contributions (Council's share)	120		
(c) Cost of drugs and appliances	6,125		
			7,861
			<u>£6,327,066</u>
Breakdown of item 1 (a) above:—		£	
(i) Dispensing fees		1,688,000	
(ii) Cost of drugs and appliances		4,336,000	
(iii) Allowance for overheads and profit		1,093,000	
(iv) Container allowance		173,000	
			<u>£7,290,000</u>

In addition to the charges reported at items 1 (b) and 3 (b) above, the following were also paid by patients:—(i) £13,113 collected by doctors; (ii) £3,222 paid by means of postage

stamps; and (iii) £1,131 paid by patients at health centre pharmacy.

ENGLAND AND WALES			
	£	£	£
1. To pharmacists (excluding rota fees):—			
(a) For supply and dispensing of drugs and appliances	61,820,617		
(b) Less net repayments	5,709		
			61,814,908
(c) Less charges to patients	10,767,777		
			<u>51,047,131</u>
2. To pharmacists for rota scheme			290,829
3. To medical practitioners for supply and dispensing of drugs and appliances, less charges, etc. ...			1,908,043
4. Superannuation contributions for medical practitioners			74,236
5. Other payments			5
			<u>£53,319,704</u>
(1) Payments to pharmacists (items 1 (a) and (b) above):—		£	
(i) Dispensing fees		12,790,000	
(ii) Cost of drugs and appliances		38,145,000	
(iii) Allowance for overheads and profits		9,535,000	
(iv) Allowance for containers		1,345,000	
(2) Special interim payments (item 1 (b) above):—			
Repayments during year		58,335	
Less Issues during year to new contractors ...		52,626	
			<u>£5,709</u>
Net repayments		£5,709	
Total amount of special interim payments outstanding at March 31, 1958			<u>£1,521,539</u>
(3) Prescription charges collected by doctors amounting to			<u>£211,469</u>

BRANCH EVENTS

WEST HAM

Conference Chairman as Guest

THE toast "The West Ham and District Association of Pharmacists" at the Association's annual dinner and dance on March 5 was proposed by MR. H. TREVES BROWN (chairman of the British Pharmaceutical Conference, 1959). Mr. and Mrs. Treves Brown had, with the Association's president (Mr. C. Collinge) and Mrs. Collinge, welcomed the



FOUNDER MEMBER: Mr. Clifford Jones (one of West Ham's two surviving founder members) with Mr. Douglas Herd, East Ham.

diners as they arrived. In proposing the toast Mr. Treves Brown said he regarded his being asked to do so as an honour to the Conference. The two organisations had, he suggested, something in common. Both served to bring the latest developments in pharmacy to the notice of pharmacists, and both tried to spice that function with more pleasurable activities. As one who had served his apprenticeship in Cumberland, said the speaker, it pleased him to know that the West Ham Association had furnished the Cumberland room at Birdsgrove House. In his reply, MR. COLLINGE said the Association, founded in 1903, was proud to have present one of the two surviving founder members: Mr. Clifford Jones. The other (Mr. Joseph Reed) was unfortunately not well enough to attend. DR. A. F. McDONALD (chairman of the Stratford division, British Medical Association) in proposing "The Ladies," said he brought the good wishes of the divi-

sion. MRS. COLLINGE gracefully replied. A raffle for the Pharmaceutical Society's Benevolent Fund realised £50.

WESTERN LONDON

Season's Finale

WHAT with top brass, West Britons, the best part of the staff and students from Chelsea School of Pharmacy, officers from neighbouring pharmaceutical associations and branches, representatives of manufacturing houses, and ordinary folk like you and me, there was a full, varied and light-hearted attendance at pharmaceutical London's last big social event of the season: the dinner and dance of the Western Pharmacists' Association on March 19. A toast to the Pharmaceutical Society was proposed by MR. H. G. MOSS, who commented favourably on the speed with which the Council had started to make alterations to the premises after its recent acquisitions of neighbouring properties so as to provide the Society with a worthy headquarters. The reply was by MR. F. W. ADAMS (registrar) who, after saying that he had a particular affection for the Western as being the Association he had had most to do with when, in his early days, he worked in the West End of London, added that that area exemplified most strongly the changes that had taken part in pharmaceutical practice—changes of which the Society had to take account. "The Western Pharmacists' Association" was proposed by MR. H. TREVES BROWN (chairman, British Pharmaceutical Conference, 1959), and answered by the chairman for the evening, MR. CLIFFORD EVANS (president of the Association). Mr. Evans said the Western had always been closely associated with the Conference and proud to welcome its chairmen.

READING

Guests From Many Counties

A COMPANY of over 300 diners, members of the Reading Branch of the Pharmaceutical Society and their guests from Berks, Bucks, Oxon,

Herts, Hants and even so far as Bristol, filled a Reading hotel and overflowed into a nearby restaurant when the Branch held its annual dinner and dance on March 11. After dinner, the "exiles" from the restaurant joined the main party to hear the guests welcomed by guest-of-honour ALDERMAN E. A. BUSBY (mayor of Reading). The toast of the Reading Branch was proposed by the other guest of honour, MR. O. H. WALLER, M.P.S. (editor, THE CHEMIST AND DRUGGIST). Mr. Waller said he believed the Branch, which was founded in 1924, was the only Branch of the Society to possess an honorary life president, Mr. F. W. Vasey, now in his ninety-first year. MR. J. P. BATE (chairman of the Branch), in his reply to the toast, said that, of the members of the Branch, only two or three were natives. Most had come to the town to make their fortunes [he did not say whether they had done so]. After dinner and during the dancing a centre of attraction was the tombola, an annual feature for which the Branch is famous.

MANSFIELD

Pharmacists as "Dedicated Men"

PROPOSING the toast of the Pharmaceutical Society at the annual dinner and dance of the Mansfield Branch on March 4, MR. A. C. SHEPHERD, M.C. (town clerk of the borough) spoke of the high standard of education and integrity required of a pharmacist, suggesting that the remuneration obtained was often not commensurate with the skill required in the performance of his duties. Some measure of dedication was necessary, he thought, in a man electing to make pharmacy his career. MR. J. C. BLOOMFIELD (a member of the Society's Council), stressed in his reply the necessity for a high standard of education. Appealing for continued financial help for the Benevolent Fund he spoke of "ever-increasing calls" upon it. The toast to the ladies and visitors was proposed by MR. G. R. MILTON (chairman), MRS. T. S. MCKEAN (wife of the medical officer of health for Sutton-in-Ashfield) replying on behalf of the ladies and MR. RAY PRICE on behalf of the visitors. A draw in aid of the Benevolent Fund raised £13.

SHEFFIELD

Judicial Occasion

To celebrate his first visit to Sheffield as an Assize Judge, members of the Sheffield and District Branch of the Pharmaceutical Society gave a dinner to Mr. Justice Glyn-Jones on March 4. A very pleasant evening included speeches of welcome from representatives of the various sections of pharmacy, and the presentation of some Sheffield cutlery on behalf of members unable to be present.

NORTH STAFFORDSHIRE

Dignity, Integrity and Competence

PHARMACISTS' "courtesy, sympathy and human understanding" were praised by Professor H. D. Springall (vice-principal and professor of chemistry at North Staffordshire University College), when



EAST GREETIS WEST: "Never the twain shall meet" is not true of east and west in London pharmacy, where every year the Western Pharmacists' Association is well represented at the annual dinner and dance of the West Ham and District Association of Pharmacists. Here Mrs. and Mr. Clifford Evans (social secretary of the Western) are being received by Mrs. and Mr. H. Treves Brown (proposer of the principal toast) and Mrs. and Mr. C. Collinge (West Ham's president).

"C&D" artist at

4th MARCH 1959

Mansfield BRANCH DINNER AND DANCE



C.H. PRESTON-ROBINSON
GENERAL SECRETARY

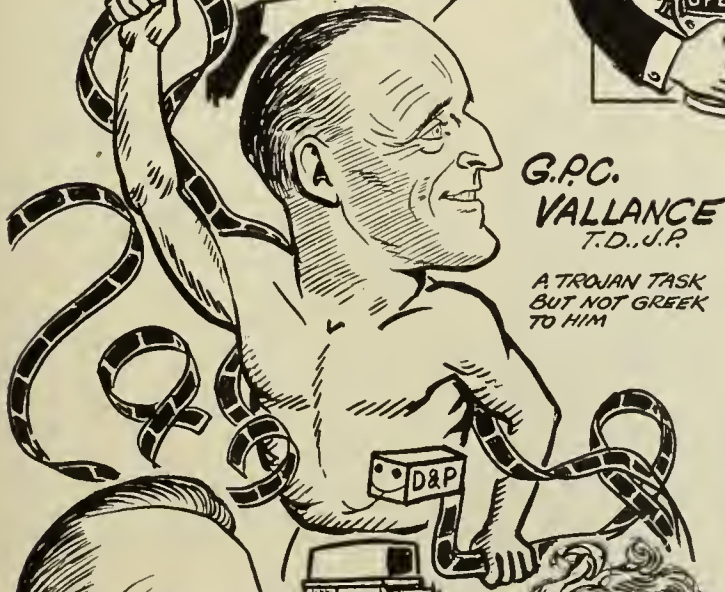


GUEST OF HONOUR
JAMES C. BLOOMFIELD
MEMBER OF COUNCIL

"MAY THE BRANCH GET STRONGER AND STRONGER"



G.R. MILTON
CHAIRMAN



G.P.C. VALLANCE
T.D., J.P.

A TROJAN TASK BUT NOT GREEK TO HIM



LESLIE WEBBER
SOCIAL SECRETARY

RAY PRICE "FILM STAR"



H.L. TWIDALE



MRS. MCKEAN

LATEST TEST SCORE

DR. T.S. MCKEAN

M.O.H. SUTTON-IN-ASHFIELD



INSPECTOR T. SCULLY
MANSFIELD POLICE

HU
C&D

he proposed a toast to the Pharmaceutical Society at the annual dinner of the North Staffordshire Branch, recently. The Society was maintaining the dignity, integrity and competence of the profession, he said, in the face of a challenge of a revolution in public medicine. Responding, MR. G. H. HUGHES (vice-president of the Pharmaceutical Society) spoke of the Society's close liaison with the various branches of the medical profession. MR. G. L. WALTON (branch chairman), who proposed a toast to the guests, did so in rhyme, welcoming representatives of

the British Medical Association, the Medical Society of North Staffordshire, the Stoke-on-Trent Executive Council, and local dental and optical societies. DR. C. W. HEALEY (president, Medical Society of North Staffordshire), responded. A replica of the chairman's badge was presented to the immediate past-chairman (Mr. G. R. Mee) by Mr. Walton, and Mrs. Mee received a pottery figure in recognition of her work as chairman of the ladies' group. Mrs. Walton presented a cheque for £20, raised by the ladies' group for the Benevolent Fund, to Mr. Hughes.

GOLDEN JUBILEE BANQUET

Portsmouth's happy occasion

GOOD organisation and good food contributed to make the golden jubilee banquet of the Portsmouth and District Chemists' Association, held in Southsea on March 17, an occasion to live in the memory of members and guests.

The organisers, befittingly for a naval dockyard, had deployed their tables like ships pointed to the centre of the long table of the principal guests, and the arrangement combined the advantages of "family" parties with proper regard for the oratorical purpose of the occasion.

There were three toasts, but—for a reason that will appear—seven speeches. THE PRESIDENT OF THE PHARMACEUTICAL SOCIETY (Mr. D. W. Hudson) proposed "The City of Portsmouth," expressing thanks to the city for what it had done for his own professional colleagues, and congratulating it upon establishing a great industrial centre within its boundaries without destroying the town's amenities. The comprehensive technological facilities that were being provided by the city authorities, he said, were proof that the future was not being left to take care of itself, and he was grateful that his own profession was not being overlooked. Of new accommodation approved in 1958 no less than 2,000 sq. ft. had been allocated to pharmacy, and the Council of the Society was watching the development with great interest.

THE LORD MAYOR OF PORTSMOUTH (councillor A. L. Blake, M.C., LL.B., J.P.) responded on the City's behalf. He was aware, he said, of the high standards set by the pharmacists of Portsmouth, and that, in the interest they had taken in the development of the College, they were not falling short. He made mention of the fact that the British Pharmaceutical Conference would be meeting in Portsmouth in 1960—after fifty years—and hoped the City would prove a good host.

The second toast, "The Association," was proposed by MR. H. G. MOSS (chairman of the National Pharmaceutical Union). The Association had fathered, he said, the Portsmouth Branches of the Pharmaceutical Society and the National Pharmaceutical Union and was still to the fore in such ways as submitting "frankly rebellious" resolutions at Branch Representatives' meetings. More branches were needed to take similar steps to stimulate action. Pharmacy was in great need of a better presentation of its case, and the N.P.U. was giving a good

deal of thought to those considerations. In his reply, as president of the Association, MR. J. C. BLOOMFIELD read congratulatory telegrams from local pharmaceutical organisations or individual pharmacists in Brighton, Bournemouth, Worthing, Slough, Isle of Wight, Durham, Guildford, Birmingham, Birkenhead and Southampton, and a cable from "Old Greg" (Mr. Gregory, who emigrated to Australia in 1958). He

also read a number of apologies for absence—in particular from eighty-five-year-old founder secretary Mr. T. O. Barlow, who had been billed to speak but was under doctor's orders to stay away. Mr. Bloomfield recounted episodes in his own career to illustrate the importance of the Association within the field of pharmacy in Portsmouth, and wound up by announcing a special jubilee campaign by the Association to provide technical reference and text books for the school of pharmacy. Nearly £200 worth of books had already been given in response to the appeal. His "personal" target for his year of office of £500. Mr. Bloomfield made a token presentation of books to Mr. N. Francis (that day promoted senior lecturer in pharmaceuticals at the College, see *C. & D.*, March 21, p. 314), whose speech in acknowledgement was the one (already referred to) additional to those on the printed programme.

"The Guests" was proposed by MR. L. J. CHAMBERLAIN and replied to by MR. NORMAN C. JEFFERY (president, Proprietary Articles Trade Association). Mr. N. L. Banks acted as M.C.

CLASSIFYING PROPRIETARY MEDICINES

Revision of categories recommended

A CHANGE from numbers to letters for identifying the categories into which proprietary medicines are classified for National Health Service purposes is recommended by a Joint Committee of the Central and Scottish Health Services Councils (chairman, Lord Cohen of Birkenhead), in a report, *Classification of Proprietary Preparations*, published on March 24 (H.M. Stationery Office, price sixpence). The present Committee recommends the change from the former category numbers 1 to 6 to letters to avoid the mistaken belief which has arisen, both here and abroad, "that the numbers represent a descending order of therapeutic merit." They also recommend a new category of "suspended judgment." The categories now recommended for adoption are:—

- N. New drugs of proved value which are not yet "standard" (that is described in the *British Pharmacopœia*, *British Pharmaceutical Codex* or *British National Formulary*).
- S. (a) All preparations whose active therapeutic constituents are identical with or modifications of those of "standard" preparations;
- (b) elegant preparations of drugs in Category N;
- (c) mixture of drugs in Category N with drugs in Category S.
- P. Preparations which are not "standard" for which *prima facie* evidence of therapeutic value is presented, but which the Committee cannot accept as of proved therapeutic value without further evidence, which must be provided within a period stipulated by the Committee.
- O. Preparations not "standard" which in the Committee's view have not been proved of therapeutic value.
- H. Preparations which are a combination of drugs in Category O with those in Categories N., S. or P.

The Committee advise that preparations in categories N and P should be freely prescribable, those in S prescribable under certain conditions, and that practitioners should be discouraged from prescribing those in categories O and H. At the same time "there should be no absolute restriction on the prescribing by a general practitioner of any drug which in his opinion was necessary for the treatment of his patients."

P is a new category of "suspended judgment" in which a new drug not yet standard, but for which there is *prima facie* evidence of value, could be placed for a specified period during which the manufacturer would be asked to provide conclusive evidence of its value. At the end of that specified period (unless the Committee otherwise determine) if the evidence is not presented the drug will be categorised as "not proved of therapeutic value."

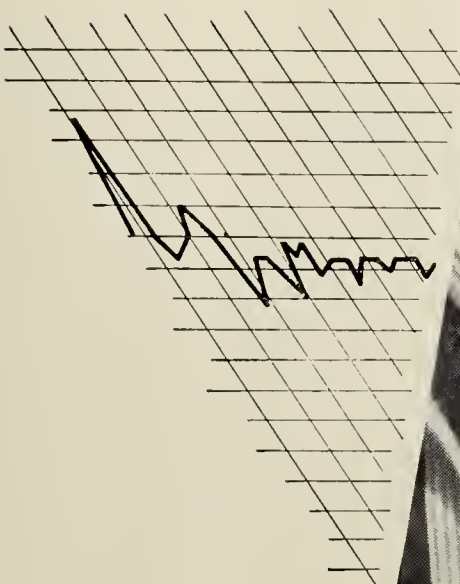
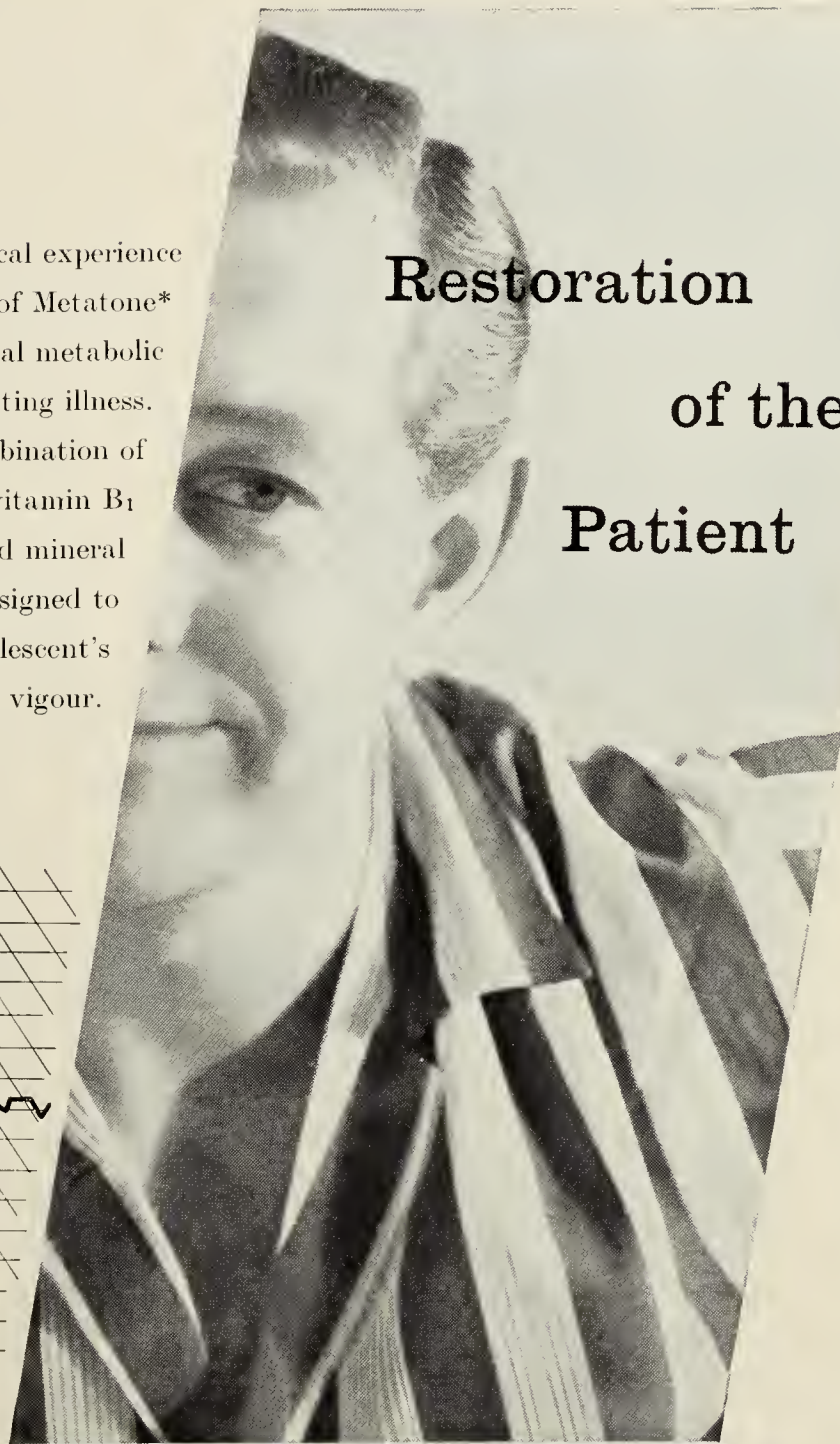
But during the period of "suspended judgment" the drug should be prescribable without the prescriber being called upon to justify his prescription. For example, if it is claimed that drug "X" will arrest or cure cancer of the stomach even in a relatively few patients, and the *prima facie* evidence presented with the claim is suggestive, the Committee consider that it would clearly be wrong to withhold the drug until its value had been conclusively confirmed or refuted.

The report has been circulated to all practitioners accompanied by a letter from Sir John Charles (Chief Medical Officer, Ministry of Health) in which he stresses that "you will doubtless wish to refrain from prescribing any preparation in these categories (O and H) unless you are satisfied that it is essential for the treatment of individual patients."

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* Well tolerated—negligible side-reactions

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Packing and basic N.H.S cost. Bottles of 24, 15, 8, 100, £2.18.8 and 500, £13.16.4.

LEDERKYN ACETYL: Pediatric Suspension 250 mg/5 cc. Packing and basic N.H.S. cost. Bottles of 2 fl. oz. 8/- and 16 fl. oz. £2.16.8.



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For Retailer, Wholesaler and Manufacturer

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TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

Classification by Letters

THE reasons given for the latest report by the Standing Joint Committee on the Classification of Proprietary Preparations (see p. 340), are that since the last report the Committee has had a further three years' experience in classifying several thousand preparations and that certain pricing arrangements have been agreed between the Health Departments and the industry making the time opportune for a revision of the categories.

The committee acknowledges that, by employing numbers for their present classification, it has created the impression, both at home and overseas, that drugs in category 1 are the best and those in category 6 are the poorest, with a decreasing therapeutic merit in the intermediate categories. There can be no doubt that such official separation of "sheep and goats" has had a harmful effect on some of the country's exports. The committee believes that, by now altering the numbers to letters, it will dispel that illusion. The harm, however, has been done and we think it may be many years before it will be forgotten. A new category (P) has been created. Described as a "suspended judgment" category, it is for new drugs which are not "standard," for which evidence of therapeutic value has been presented, but which the committee cannot accept without further evidence (to be provided within a time limit, the time allowed varying according to the drug). If the evidence has not been supplied within the given period the drug will be placed in category O (formerly 5).

Overseas Trade in February

THE value of drugs, medicines and medicinal preparations shipped from the United Kingdom during February was £3.07 millions, against £3.87 millions in January and £3.07 millions in February 1958. Despite the fall in the group total, aspirin exports were at their highest level since August 1958, and sulphonamides since November 1958. For January and February combined, insulin shipments at £87,407 were down by nearly 50 per cent. on the corresponding months of 1958.

The destinations for the medicinal exports in February followed the familiar pattern, with Australia as the largest single market (£205,523), followed by Nigeria (£173,286). Sales to Egypt were maintained and, at £116,339, brought the two months' total to £224,084. Sales to the United States, however, fell to £81,000 in February from £124,000 in January, and those to Canada to £75,000 (from £110,000). Turkey is beginning to come back into the picture again after her trade-

balance difficulties, while exports to Indonesia showed a sizeable upturn. India's purchases on the other hand continued to decline.

Imports of prepared medicines dipped sharply during February to £259,173—the lowest value recorded for any month during the past few years. The February export and import values of those drugs for which statistics are available, together with several allied products, are given in the accompanying tables.

Taking the U.K. trade as a whole the visible deficit in February was £30.4 millions or £19 millions less than in January. That, says the Board of Trade, is normal for February because the seasonal effect is usually greater on imports than on exports.

EXPORTS		VALUE
Drugs, medicines, medicinal preparations		£
(total)		3,073,737
Vitamins		171,056
Penicillin salts		100,031
Penicillin injections		56,675
Penicillin tablets, ointments, etc.		65,652
Antibiotics other than penicillin		326,714
Quinine		10,758
Alkaloids, excluding quinine		106,045
Aspirin		94,851
Antihistamines		38,487
Antipaludics		72,219
Barbiturates		36,381
Liver extracts		13,793
Ointments and liniments		99,629
Insulin		26,049
Sulphonamides		134,310
Proprietary medicines		968,927
Other medicines, unclassified		728,397
Glycerin		60,766
Acetone		12,267
Citric acid		40,727
Salicylates		9,714
Perfumery and toilet preparations		
Lipstick, face powder, etc.		247,501
Dentifrices		147,194
Toilet soaps		267,760
Synthetic detergents		504,712
IMPORTS		£
Vitamins		32,424
Antibiotics		28,478
Alkaloids		47,755
Proprietary medicines		38,335
Unclassified medicines		112,181
Borax		68,766
Iodine		11,669
Menthol		32,876
Essential oils		
Bergamot		13,068
Citronella		16,262
Clove		608
Geranium		33,349
Lavender		46,873
Lemon		106,227
Orange		7,730
Peppermint		71,778
Unclassified		153,087

A PHARMACIST'S ANTHOLOGY LIGHTING A CENTURY AGO

From *Story of Buchanan Street* (Glasgow, 1885),
by Daniel Frazer

THE Bude light, adopted by ourselves and neighbours—Mr. George Baird and Mr. Andrew Rutherglen—being about the earliest fitted up in Glasgow, created considerable excitement at the opening of the new [pharmacy] premises. As a much greater proportion of our business was then [1847] done in the evenings than there is now done in these days of late dinner hours, this excitement may have been another "spoke in the wheel" in the upward progress of our business, for certain it is that it greatly increased after this date.

“In no way relevant to the pricing”

The fictional correspondence published below directs attention to a prescription-pricing situation that could result in a substantial loss to a chemist-contractor—and did to one. The moral is to know one's Drug Tariff inside-out, and be forearmed against any similar misfortune.

From Mr. John Carboy, M.P.S., to Galenicals, Ltd.

SIRS,—May I draw your attention to an increase of 6s. in the amount charged to me (your invoice 13579 of August 15, 1958) for supplying 4 kilos of ointment to my special formula H9753. On all previous occasions the cost has been 42s. You give no explanation of the increase. May I take it that it is an error?

From Galenicals, Ltd., to Mr. John Carboy, M.P.S.

SIR,—While it is regretted that, by an oversight, you were not given an explanation of the advance when the goods were invoiced, the new amount of 48s. charged to you on August 15 for making four kilos of ointment to your special formula H9753 is correct. The increase is due to high labour costs.

From Mr. John Carboy, M.P.S., to the Superintendent, Blankshire Prescription Pricing Bureau.

SIR,—On a number of occasions I have supplied to a local doctor an ointment to a special formula, and it is ordered in such quantities that to make it as a dispensary operation is not practicable. I therefore had it manufactured by one of the trade wholesalers, and have endorsed the prescription accordingly. On the last occasion the wholesaler's invoice arrived after the prescription form, endorsed as usual “cost 42s.” had been sent to the pricing bureau. The invoice was for 6s. more than the usual amount. I checked it with the supplier, who confirmed the new amount as correct, the increase being due to higher labour costs. I shall be glad, therefore, if you will take steps to see that the difference of 6s. is credited to me when the prescription is priced.

From the Superintendent, Blankshire Prescription Pricing Bureau, to Mr. John Carboy, M.P.S.

SIR,—I have to inform you that the ointment supplied by you to Dr. Jones on a prescription form dated August 5, 1958, was not a proprietary, and that it has been priced, both on this occasion and previously, under paragraph 2 (2) (B) of Part I of the Drug Tariff. The amount charged to you by your trade supplier, therefore, is in no way relevant to the pricing of the form.

From Mr. John Carboy, M.P.S., to the Superintendent, Blankshire Prescription Pricing Bureau.

SIR,—In view of the information given in your letter of September 14, I must request you to let me know precisely what amount was credited to me for the supply of 7 lb. of the special-formula ointment supplied to Dr. Jones on my prescription form dated February 17.

From the Superintendent, Blankshire Prescription Pricing Bureau, to Mr. John Carboy, M.P.S.

SIR,—The amount certified in respect of the 7 lb. of special ointment supplied by you to Dr. Jones on form dated February 17 was £1 3s. 6d.

From Mr. John Carboy, M.P.S., to the Superintendent, Blankshire Prescription Pricing Bureau.

SIR,—From your letter it seems that I have suffered a loss of 18s. 6d. on each supply of ointment, yet no indication was given to me that my endorsements were being ignored. I consider such treatment unjustifiable and am taking up the matter with my trade association.

From Mr. John Carboy, M.P.S., to the Secretary, Pricing Audit for Chemist Contractors.

SIR,—On investigating the amount credited to me by the Blankshire Prescription Pricing Bureau for supplying 7 lb. of ointment to a local doctor on an EC10 form dated February 17, I discovered that it was £1 3s. 6d. Even if I had myself made up the ointment, I should have been heavily out of pocket, but as it is not practicable to make such quantities on the dispensing bench I contracted with Galenicals, Ltd., to make the ointment in 4-kilo lots and supply it to me. The prescription form was endorsed with the amount charged to me by the wholesaler, and I expected payment on that basis. The wholesaler meantime increased his charge to 48s. and it was only as a result of that change that I made the discovery that I had been losing heavily on each transaction. I am informed now by the Pricing Bureau that payment is made under paragraph 2 (2) (b) of Part I of the Drug Tariff, which allows a dispensing fee of only 1s. 6d. for making 7 lb. of an extemporaneously prepared ointment. As I have been supplying the ointment to the doctor at a frequency of about 7 lb. per two months for quite a long time, I must by now be heavily out of pocket. Will you therefore ascertain for

me (a) on how many prescription forms I have been paid only according to the paragraph of the Drug Tariff, and (b) whether there are any steps that I can take, or which you can take, to obtain redress.

From the Pricing Audit for Chemist Contractors to Mr. John Carboy, M.P.S.

SIR,—We have now received from the Superintendent of the Blankshire Prescription Pricing Bureau details of the number of prescriptions for the ointment in question, and his comments on their pricing. The item occurs four times among the bundles in his possession, which cover a period of six months. We can only confirm the Superintendent's statement that he has no authority to price the prescription otherwise than as an ointment prepared extemporaneously. The only solution we can suggest to your problem would be to get the doctor to order the ointment as a proprietary preparation (e.g., “Ung. H9753, Galenicals, Ltd. 7 lb.”). The Bureau would then be able without question to certify payment at the price charged by the manufacturer.

From Mr. John Carboy, M.P.S., to the Pricing Audit for Chemist Contractors.

SIR,—I am in receipt of your letter of April 29, and am dismayed to note that, while you make a suggestion as to how to obtain full payment for the ointment in the future, you give no suggestion of any attempt to obtain a just settlement for what is obviously the injustice that over a long period I have received a grossly inadequate payment as a contractor under the National Health Service. At the very least, I thought I could count on you to persuade the Pestlers' National Trade Association to approach the Ministry to seek a ruling upon such an anomaly. On the Tariff pricing it would appear that pharmacists receive a dispensing fee of 1s. 6d. for compounding 7 lb. of ointment to formula. That is a ridiculous situation, and it is also evident from the invoices of the manufacturing chemists that they do not consider it an economic proposition to make such a quantity of ointment for a profit of 1s. 6d.

From the Secretary, Pestlers' National Trade Association, to Mr. John Carboy, M.P.S.

DEAR MR. CARBOY,—It is unfortunate that neither you nor ourselves were

aware of the position regarding the pricing of bulk ointments before we reached agreement recently with the Ministry of Health on a revised scale of dispensing fees. Your own case is the first in which we have encountered a prescription ordering 7 lb. of an extemporaneously prepared ointment, or indeed of any ointment. In the lengthy negotiations which we had with the Ministry on the fees scale, the possibility of any chemist receiving such an order never crossed our minds. Let me say at once that I can see no way in which anything can be done about the prescriptions which you have dispensed in the past, since any approach to the Ministry would inevitably meet with the reply that the prescriptions which you dispensed were priced in accordance with the Drug Tariff, which was negotiated in accordance with the established machinery. In view of the unusual circumstances of your case, however, we are placing the facts before the Central Negotiating Com-

mittee at its next meeting, and shall seek the Committee's view on the questions (a) whether they feel any useful purpose would be served by an approach to the Ministry about the prescriptions you have dispensed in the past, and (b) what should be done to prevent similar cases arising in the future.

From Mr. John Carboy, M.P.S., to the secretary, the Pestlers' National Trade Association.

DEAR MR. QUILL,—I still maintain that the Blankshire Prescription Pricing Bureau failed in its duty by not informing me that the price endorsed on the EC10 form was not allowed, and that I am therefore entitled to reimbursement. I trust you will make that quite clear when you place the facts before the Central Negotiating Committee, and I shall await their reaction before pressing the matter further. In any case, a revision of fees for ointments dispensed extemporaneously is indicated, because

even for 8 oz. of ointment, which is an amount we quite often dispense, the operation usually involves much more time at the bench than is covered by their present fee, which can only be regarded as grossly inadequate.

From the Pestlers' National Trade Association to Mr. John Carboy, M.P.S.

DEAR MR. CARBOY,—The correspondence which passed between you and the Pricing Audit for Chemist Contractors and ourselves was fully discussed by the Central Negotiating Committee, but the decision reached was that action could not usefully be taken about the past prescriptions. For the future, the Committee has to face the situation that it is impossible to produce a scale of fees that takes proper account of all likely circumstances, and that an upward adjustment in one part of the Tariff would have to be counterbalanced by deductions elsewhere. The Committee has therefore decided not to approach the Ministry.

HOSPITAL PHARMACY FORUM THE HIGHER THE FEWER

THE debate in Parliament on the Supplementary Estimates for the Health Service (C. & D., March 21, p. 309) provided one note of encouragement for hospital pharmacists. It was when Sir Hugh Linstead pressed for an early implementation by the Minister of recommendations made by the Standing Pharmaceutical Advisory Committee of which Sir Hugh is chairman. In particular he urged that action should be taken in regard to the establishment of a group service, and added that what the hospitals needed was not necessarily more pharmacists, but better paid ones and a better organisation of them. Sir Hugh's efforts have evidently not been fruitless, for an inquiry into the staffing position at each hospital has already been called for by the Ministry, and it does appear that, at long last, the problem is being recognised as one worthy of attention. The Guild of Public Pharmacists is already busy trying to orientate its salary claims to the new situation, and that will demand some vigorous new thinking by the membership.

In the past, there has been a reluctance on the part of Guild members to recognise the need for a group pharmacist. That is probably due to a fear that it would result in the depression of the salaries and status of those who are not group officers, but also to a fear that they would be restricted in their activities by coming under the authority of a group officer. Now the group has undoubtedly developed as the unit of hospital organisation, and in every activity except pharmacy the executive officers are at group level. It is partly that factor which has put the pharmacist at a disadvantage in relation to the supplies officer and has led to his being relegated to a junior position in the administrative set-up. With a pharmacist at group level, many of the matters that must now go via the hospital secretary to the group secretary would be dealt with directly between the pharmacists concerned. Far from being a brake on the local pharmacist, the group organisation would give pharmacists collectively a better chance of stating their case to the governing body and of achieving an efficient service.

The shortage of staff in hospital pharmacies has continued for so long that it must be fairly obvious that it will probably never be possible to staff the departments fully according to the older ideas. Some delegation of work to assistants is inevitable. Unfortunately in present circumstances that often happens without plan under the weight of sheer neces-

sity. Hospitals are left for considerable periods without a pharmacist and in others assistants-in-dispensing are given charge of departments for which their training is inadequate. It is probable that the number of pharmacists now in the service would be adequate if the service were more efficiently planned and if rational use were made of the assistants. Rational use would surely mean using assistants to assist—and not to act in lieu of a pharmacist. Centralisation of some of the work at the group headquarters hospital would in many cases enable the assistants to be used at the centre, working under adequate supervision, whilst pharmacists took the responsibility for the smaller outside units, working them as branches of the main hospital. Some would need only a part-time pharmacist in charge. Others might be operated by sending supplies as for an internal ward, the pharmacist visiting the unit only at intervals to check on the general care and custody of the drugs.

Such a concept of the service is not new: there are many groups where something of the kind has been in operation for several years. What is new is the acceptance of that concept officially by both the Ministry and the Guild. Hospital pharmacy needs the service of men with real ability and initiative and must attract a fair proportion of the ablest youngsters to make a career in it. It is unlikely to do so until the newly qualified can see a reasonable chance of a responsible and adequately paid job comparable with that offered in industry or in retail. Very few unit hospitals can offer such scope, and the pharmacist, if he is to expect an adequate salary, must expect to take on the wider administrative responsibility of the group.

The establishment of such an organisation provides an opportunity for completely re-casting the salary structure, and the Guild's council has already made some attempt in that direction. The present structure, based on somewhat minute scalp-counting, and complicated by arbitrary methods of equating general and specialist hospitals, has produced only frustrations and anomalies. A more liberal approach is necessary, and that should be based on the group as an organism rather than on tacking on a small allowance for group responsibility to the existing scales. Some provision should be made for evaluating posts locally within a general plan, so that a premium is put on the quality of the work as well as on the mere quantity of beds or out-patients.

PHARMACIES OF BRITAIN—79



THE PHARMACY AT 59 HIGH STREET, EVESHAM

Proof of the venerable age of the pharmaceutical business of H. A. Elliott & Co., Ltd., Evesham, is that the oldest prescription book in its possession is dated 1874 but is No. 41 in the series. The business is certainly more than a century old.

DRUG TESTING UNDER THE HEALTH SERVICE

A survey of samples taken during 1953-54

A SURVEY of the National Health Service drug testing scheme in England and Wales for the year ended March 31, 1954, has been prepared by Mr. W. J. W. Price, F.P.S. (pharmaceutical section, Ministry of Health). The tables and other details correspond to those in previous surveys (*C. & D.*, January 21, 1956, p.56) so that direct comparisons may be made. The report shows that 7,392 certificates of analysis were issued in 1953-54, compared with 7,273 issued in 1952-53. The number of certificates referred to Pharmaceutical Service Committees in 1953-54 was 489, compared with 639 in 1952-53. As in the other surveys all the results have been taken from certificates of analysis of preparations and dressings sampled in England and Wales. The main results concern extemporaneously prepared mixtures, but details are also given of the dispensing of tablets, powders, ointments and dressings. Examples are provided of errors other than those of measurement. In table I appear those drugs prescribed on thirty or more test prescriptions during the year, except in three instances where it has been necessary to include items for comparison with previous surveys. Ephedrine hydrochloride, kaolin and sodium sulphate are included for the first time. Footnotes to the table indicate why certain drugs are included in the column headed "100 per cent. and over."

TABLE I
Percentage deviations from the weights or volumes of drugs ordered on test prescriptions

Prescribed Quantity gr. or min.	Number of Prescriptions	Number of percentage deviations within the stated ranges																
		Not referred						Referred										
		Up to 1%	1.01 to 2%	2.01 to 5%	5.01 to 10%	Over 10%	Total	5 to 10%	11 to 20%	21 to 30%	31 to 50%	51 to 75%	Over 75%	100% and over	Total			
Ammonium bicarbonate																		
24	102	22	14	20	19	19	94	—	—	4	3	—	—	—	—	1 ¹	8	
40	24	7	1	6	5	3	22	—	1	—	—	—	—	—	—	1 ²	2	
48	60	24	16	15	1	2	58	—	1	—	1	—	—	—	—	—	2	
60	224	83	27	59	23	11	203	—	11	3	2	4	—	—	—	1 ³	21	
72	248	80	21	81	36	10	228	—	7	5	8	—	—	—	—	—	20	
Ammonium chloride																		
120	113	55	15	31	7	—	108	2	2	1	—	—	—	—	—	—	5	
360	91	46	13	20	4	—	83	2	2	—	1	3	—	—	—	—	8	
Boric acid																		
16	32	9	4	7	7	2	29	—	1	1	—	1	—	—	—	—	3	
60	37	12	7	11	5	—	35	—	1	1	—	—	—	—	—	—	2	
90	40	16	2	18	2	—	38	—	—	1	1	—	—	—	—	—	2	
Chloral hydrate																		
120	106	68	13	18	2	—	101	—	2	1	1	—	1	—	—	—	5	
Citric acid																		
64	34	18	7	4	4	—	33	—	1	—	—	—	—	—	—	—	1	
144	74	25	9	25	6	—	65	—	4	1	3	—	1	—	—	—	9	
216	293	135	43	59	22	—	259	3	14	7	3	4	—	—	—	3 ⁴	34	
Ephedrine hydrochloride																		
8	39	23	4	8	3	—	38	—	1	—	—	—	—	—	—	—	1	
Glycerin of phenol																		
192	62	27	6	17	3	—	53	—	6	2	—	—	—	—	—	1 ⁶	9	
360	36	15	9	6	—	—	30	1	1	1	3	—	—	—	—	—	6	
Dilute hydrochloric acid																		
160	70	38	8	15	5	—	66	—	3	1	—	—	—	—	—	—	4	
240	206	127	30	29	7	—	193	1	3	2	4	1	—	—	—	2 ⁶	13	
Ferric ammonium citrate																		
480	51	29	6	13	—	—	48	—	1	1	1	—	—	—	—	—	3	
720	172	97	28	34	4	—	163	1	3	1	1	1	1	—	—	1 ⁷	9	
Kaolin																		
720	50	22	7	19	1	—	49	—	—	—	1	—	—	—	—	—	1	
Liquefied phenol																		
60	127	58	17	36	9	1	121	—	2	3	1	—	—	—	—	—	6	
120	52	22	12	13	3	—	50	1	1	—	—	—	—	—	—	—	2	
Light magnesium carbonate																		
120	42	24	5	9	2	—	40	—	1	—	1	—	—	—	—	—	2	
240	123	71	17	23	4	—	115	—	5	1	1	1	—	—	—	—	8	
Magnesium sulphate																		
1440	45	30	5	7	—	—	42	—	3	—	—	—	—	—	—	—	3	
Potassium bicarbonate																		
240	33	11	7	12	1	—	31	1	—	1	—	—	—	—	—	—	2	
360	91	34	20	33	3	—	90	—	1	—	—	—	—	—	—	—	1	
Potassium bromide																		
160	86	45	15	20	1	1	82	1	1	1	1	—	—	—	—	—	4	
240	619	349	100	118	20	1	588	10	11	2	7	—	1	—	—	—	31	
320	35	23	2	7	2	—	34	1	—	—	—	—	—	—	—	—	1	
Potassium chlorate																		
80	54	29	5	13	3	—	50	—	3	—	—	—	—	—	—	1 ⁸	4	
120	203	84	40	57	11	1	193	2	4	—	3	1	—	—	—	—	10	
Potassium citrate																		
720	119	41	16	57	3	—	117	—	1	1	—	—	—	—	—	—	2	
1080	257	96	48	75	20	2	241	3	7	4	—	1	—	—	—	1 ⁹	16	
Potassium iodide																		
60	64	38	7	11	4	—	60	2	—	—	1	—	—	—	—	1 ¹⁰	4	
72	173	82	31	44	5	1	163	1	7	1	—	—	—	—	—	1 ¹¹	10	
Sodium bicarbonate																		
30	25	11	5	8	—	1	25	—	—	—	—	—	—	—	—	—	—	
40	39	23	5	8	2	—	38	—	1	—	—	—	—	—	—	—	1	
42	27	4	4	15	1	—	25	—	—	1	—	—	—	—	—	1 ¹²	2	
160	124	62	28	27	3	—	120	1	2	—	1	—	—	—	—	—	4	
240	720	320	133	197	32	4	686	4	14	7	4	5	—	—	—	—	34	
320	41	22	7	7	3	—	39	—	—	—	—	1	—	—	—	1 ¹³	2	
360	63	32	10	16	2	—	60	1	1	—	1	—	—	—	—	—	3	
Sodium chloride																		
60	26	10	5	10	1	—	26	—	—	—	—	—	—	—	—	—	—	
72	47	15	9	18	2	—	44	1	1	—	1	—	—	—	—	—	3	
Sodium citrate																		
1080	34	16	7	8	1	—	32	—	—	—	1	1	—	—	—	—	2	
Sodium salicylate																		
240	187	73	32	63	5	1	174	1	6	1	2	—	1	—	—	2 ¹⁴	13	
360	91	46	15	27	2	—	90	1	—	—	—	—	—	—	—	—	1	
Sodium sulphate																		
875	42	18	2	12	5	—	37	1	1	1	1	1	—	—	—	—	5	
Solution of ferric chloride																		
120	74	36	8	16	4	1	65	1	3	2	2	—	—	—	—	1 ¹⁵	9	
Solution of potassium hydroxide																		
120	45	31	4	5	1	1	42	—	1	1	1	—	—	—	—	—	3	
Strong solution of lead subacetate																		
96	66	33	8	16	3	—	60	—	2	—	2	1	—	—	—	1 ¹⁶	6	
Zinc sulphate																		
9	37	16	3	7	5	3	34	—	2	—	1	—	—	—	—	—	3	
35	42	21	4	14	1	—	40	—	2	—	—	—	—	—	—	—	2	
TOTALS	6017	2804	926	1524	330	66	5650	43	148	60	65	26	5	20	—	—	367	

FOOTNOTES TO TABLE I

^{1 2 3} Rather more than double the prescribed amount of ammonium bicarbonate was dispensed.
⁴ (a) Tartaric acid was dispensed.
 (b) Sodium bicarbonate was dispensed.
 (c) Citric acid was absent.

^{5 7 10 14 16} Double the prescribed quantity was dispensed.
⁶ (a) Hydrobromic acid was dispensed.
 (b) A different mixture was dispensed (see Table V).
⁸ Potassium nitrate was dispensed.

⁹ Sodium citrate was dispensed.
¹¹ Potassium bromide was dispensed.
¹² Potassium bicarbonate was dispensed.
¹³ Potassium bromide was dispensed.
¹⁶ Glycerin and rosewater was dispensed.

Table II lists the total number of prescriptions for those drugs given in table I and the number of each referred to Pharmaceutical Service Committees.

TABLE II

Drug	Number prescribed	Number referred
Ammonium bicarbonate	711	56
Ammonium chloride	252	14
Boric acid	136	9
Chloral hydrate	164	6
Citric acid	440	47
Ephedrine hydrochloride	52	1
Glycerin of phenol	102	15
Dilute hydrochloric acid	293	18
Ferric ammonium citrate	253	12
Kaolin	66	6
Liquefied phenol	256	10
Light magnesium carbonate	193	11
Magnesium sulphate	70	4
Potassium bicarbonate	147	3
Potassium bromide	784	39
Potassium chlorate	277	14
Potassium citrate	432	22
Potassium iodide	310	19
Sodium bicarbonate	1,108	48
Sodium chloride	125	5
Sodium citrate	56	2
Sodium salicylate	314	15
Sodium sulphate	42	5
Solution of ferric chloride	102	13
Solution of potassium hydroxide	61	3
Strong solution of lead subacetate	75	6
Zinc sulphate	134	11
TOTALS	6,955	414

Table III is adapted from two tables in the report which give respectively information about mixtures and linctuses, etc.; and gargles, lotions, ear drops, etc. The total numbers of mixtures, etc., dispensed, was 4,125, and referred 299; number of gargles, etc., dispensed 1,072 and referred 134. According to the report the majority of deviations arose from the containers, actual volumes deviating from the prescribed volumes but, as in previous reports, there were instances of the wrong quantities being dispensed.

Table IV was not included in previous surveys. It lists the reasons why certain other certificates were referred to Pharmaceutical Service Committees, where errors other than errors of measurement were made in dispensing mixtures, lotions, gargles, etc.

Table V lists the percentage deviations from the prescribed quantity and table VI gives the reasons why certain certificates of analysis for ointments and pastes were referred. A far greater number of those preparations were tested during the year, and there was a slight proportionate increase in the number referred. The most frequent reason for referring certificates was that the dispensed weight was less than that prescribed. The explanation usually given for the deficiency was that of failure to counterbalance the ointment container. Total ointments dispensed were 242, the number referred 18. The reasons why the prescriptions for the following ointments were referred are shown in parenthesis: Ammoniated mercury (deficient in ammoniated mercury); magnesium sulphate (deficient in magnesium sulphate; no phenol present; deficient in weight of ointment dispensed); salicylic acid (deficient in salicylic acid and weight of ointment dispensed); salicylic acid and sulphur (excess salicylic acid; deficient in weight of ointment dispensed); sulphur (deficient in sulphur; deficient in weight of ointment dispensed); zinc oxide (deficient in weight of ointment dispensed); zinc oxide and camphor (deficient in weight of

ointment dispensed); zinc oxide compound (deficient in weight of ointment dispensed); zinc oxide and salicylic acid (deficient in zinc oxide and weight of ointment dispensed); extemporaneous ointment (deficient in salicylic acid).

Table VI lists the percentage deviations from the prescribed quantity of powders for internal administration and dusting powders. The number of powders of both kinds prescribed during the year was significantly less than in the previous year, but the decline in the proportion referred

was even greater. One powder certificate was referred because magnesium compound powder was dispensed instead of magnesium carbonate compound powder.

The total number of certificates for tablets dispensed during the year was 660, approximately the same as for the previous year; of those 22 were referred, a small decline. Table VII lists the reasons why they were referred. Of the 22, 16 were apparently due to errors on the part of the dispenser, 4 to the failure of the tablets to conform to the disintegration test, (2

TABLE III
Percentage deviations from the prescribed volumes of liquid preparations

Prescribed Volume	Up to 1%	1.1 to 2.5%	2.6 to 5.0%	5.1 to 7.5%	7.6 to 10%	10.1 to 20%	Over 20%	Total
½ fl. oz.	1	—	—	—	—	—	—	1
1 "	2	—	—	—	1	—	—	3
2 "	63	—	48	—	12	7	1	131
3 "	21	—	16	4	1	2	—	44
4 "	118	120	75	8	2	4	7	334
6 "	58	59	81	11	3	1	—	213
8 "	388	775	156	27	1	3	2	1,352
9 "	—	1	—	1	—	—	—	2
10 "	28	9	5	—	2	—	—	42
12 "	1,492	998	373	37	—	5	1	2,908
16 "	59	69	23	—	—	—	—	151
20 "	6	9	1	—	—	—	—	16
Totals	2,236	2,040	778	88	22	22	11	5,197

TABLE IV

Preparation prescribed	Preparation dispensed
Nux vomica and acid mixture, B.P.C.	Potassium bromide and nux vomica mixture, B.P.C.
Saline mixture, B.P.C.	Sodium chloride compound mixture
Ipecacuanha and alkali mixture, B.P.C.	Ammonia and ipecacuanha mixture, B.P.C.
Potassium bromide and chloral mixture, B.P.C.	Chloral and potassium bromide mixture for infants, B.P.C.
Ammonia and ipecacuanha mixture, B.P.C.	Ipecacuanha and morphine mixture, B.P.C.
Ipecacuanha and morphine mixture, B.P.C.	A mixture containing just over 25% of the prescribed volume of tincture of chloroform and morphine.
Rhubarb compound mixture, B.P.C.	Rhubarb, ammonia and soda mixture, B.P.C.
Zinc sulphate lotion, B.P.C.	Zinc sulphate compound eye lotion, B.P.C.
Potassium chlorate gargle, B.P.C.	Potassium chlorate and phenol gargle, B.P.C.
Ferric chloride gargle, B.P.C.	Potassium chlorate gargle, B.P.C.
Borax compound eye lotion, B.P.C.	Boric acid eye lotion, B.P.C.
Alkaline nasal douche, B.P.C.	Phenol and alkali mouthwash, B.P.C.
Menthol inhalation (2)	Benzoïn inhalation (2)
Menthol inhalation	Menthol and eucalyptus inhalation, B.P.C.

TABLE V (OINTMENTS)

Percentage deviation from the prescribed weights

Weight Prescribed in Grains	0 to 2.5%	2.6 to 5.0%	5.1 to 7.5%	7.6 to 10%	10.1 to 20%	Over 20%	Total
437.5	—	—	1	—	—	—	1
480	1	—	—	—	1	—	2
875	11	3	3	3	7	—	27
960	87	21	16	8	27	15	174
1,440	2	1	—	—	—	—	3
1,750	3	2	2	2	—	—	9
1,920	14	3	3	2	3	1	26
Totals	118	30	25	15	38	16	242

TABLE VI

(POWDERS FOR INTERNAL ADMINISTRATION)

Percentage deviation from the prescribed weights

Weight Prescribed in Grains	0 to 2.5%	2.6 to 5.0%	5.1 to 7.5%	7.6 to 10%	10.1 to 20%	Over 20%	Total
960	33	12	3	—	1	2	51
1,750	1	—	—	—	2	—	3
1,920	8	—	1	2	2	—	13
3,500	1	—	—	—	—	1	2
Totals	43	12	4	2	5	3	69

DUSTING POWDERS

Weight Prescribed in Grains	0 to 2.5%	2.6 to 5.0%	5.1 to 7.5%	7.6 to 10%	10.1 to 20%	Over 20%	Total
960	12	2	—	—	1	1	16
1,440	—	1	1	—	—	—	2
1,920	3	—	—	—	1	—	4
4,800	—	—	—	—	—	1	1
Totals	15	3	1	—	2	2	23

TABLE VII

Name of tablet	No. of prescriptions	No. referred	Reason for referring
Abidon with vitamin C ...	1	1	Abidec capsules dispensed
Aspirin ...	79	1	Too few tablets dispensed
Aspirin compound ...	20	3	Aspirin tablets dispensed (2) Tablets deficient in aspirin and caffeine (1)
Aspirin and phenacetin ...	8	2	Tablets of phenacetin and caffeine dispensed (1) Tablets deficient in aspirin
Aspirin soluble ...	9	1	Aspirin tablets B.P.C. and calcium aspirin tablets dispensed
Ascorbic acid 50 mgm. ...	49	1	Calcium lactate tablets dispensed
Ascorbic acid 25 mgm. ...	9	2	50 mgm. tablets dispensed
Butobarbitone ...	5	1	Disintegration test
Codeine phosphate ...	4	1	Codeine compound tablets dispensed
Mercurous chloride ...	1	1	Disintegration test
Nicotinic acid ...	14	1	Too few tablets dispensed
Phenacetin ...	27	2	Disintegration test
Phenobarbitone gr. ½ ...	65	3	Too few tablets dispensed (1) ½ gr. tablets dispensed (1) ¼ gr. tablets dispensed (1)
Sulphathiazole ...	18	1	Too few tablets dispensed
Nasal alkaline ...	4	1	Solution tablets of borax and benzamine dispensed

TABLE VIII (SURGICAL DRESSINGS)

Dressing	Number prescribed	Number referred	Reason for referring
Bandages:			
calico ...	1	—	
cotton crêpe ...	5	1	Crêpe dispensed
cotton elastic ...	6	—	
cotton and elastic net ...	2	—	
crêpe ...	169	1	Cotton crêpe dispensed
domette ...	2	1	Flannel bandage dispensed
elastic adhesive ...	103	1	Porous adhesive dispensed
elastic web ...	6	1	"Count" and length
flannel ...	2	—	
plaster of paris ...	2	1	B.P.C. 1934 bandage dispensed, plain weave instead of leno weave, deficient in plaster
rayon elastic ...	6	—	
triangular ...	11	—	
white open weave ...	75	1	Elastic web bandage dispensed
zinc paste ...	20	—	
Cellulose tissue ...	10	1	Cellulose wadding dispensed
Cellulose wadding ...	22	1	Deficient in "area"
Cotton wool B.P.C. ...	222	14	Not of B.P.C. quality
Cotton wool, hospital ...	39	1	Not in a sealed packet, wrapped in brown paper
Dressings:			
boil ...	1	—	
multiple pack ...	29	1	Cotton wool not B.P.C. "absorbency"
standard dressings ...	38	7	Not B.P.C.
Gauzes:			
absorbent ...	92	2	"Area" and "absorbency"
boric acid ...	3	1	Boric acid content excessive
paraffin ...	15	—	
Gauze and cotton tissue ...	17	7	"Absorbency" and colour
Lint:			
absorbent ...	166	5	Rayon lint dispensed (1); "absorbency", "tearing", colour (4)
boric ...	91	4	Wrong size dispensed (1); "area" (1); "absorbency" (1)
rayon ...	7	—	Not in a sealed packet, wrapped in brown paper (1)
Zinc oxide plaster ...	29	—	
Jaconet ...	1	1	Deficient in "proofing"
Oiled silk ...	7	1	The oiled nylon dispensed was deficient in the "warp" and "weft"
Elastic anklets ...	2	—	

TABLE IX (CERTIFICATES OF ANALYSIS AND NUMBER REFERRED)

	Total number of certificates			Total number referred		
	1951-52	1952-53	1953-54	1951-52	1952-53	1953-54
Mixtures, etc. ...	4,105	4,027	4,125	332	366	299
Gargles, etc. ...	996	1,074	1,072	124	134	96
Ointments and pastes ...	160	165	242	19	10	18
Powders ...	133	148	92	6	10	1
Tablets ...	673	657	660	42	26	22
Dressings ...	1,194	1,202	1,201	60	93	53
Totals ...	7,261	7,273	7,392	583	639	489

of which were phenacetin tablets), and 2 to deficiencies of active ingredient.

During the year under review there were 1,201 certificates of analysis for dressings, of which 53 were referred. Of 14 certificates for absorbent cotton wool B.P.C., 10 were referred because of failure to conform to B.P.C. standards due to presence of "neps," "leaf and shell," and/or "threads," or on account of "absorbency" and "colour." Three were referred because hospital quality cotton wool was dispensed, one of them because

in addition the packet was brown paper, not a sealed packet. It appeared that larger packets had been cut in half with a knife. Another was referred because 4 lb. was dispensed instead of 4 oz.

Of six certificates for No. 2 dressings, three samples were deficient in weight of cotton wool. In three samples the oiled cambric was unsatisfactory. In one of the three the cotton wool lacked absorbency and boric acid in the lint was excessive.

Table IX compares the results of the present survey with earlier results.

BRONCHIAL ASTHMA

A review of treatments

THE Council of the American Medical Association has authorised the publication of a report upon current therapy in bronchial asthma. The condition is defined as "a distressing and common form of acute, recurrent, or chronic bronchial inflammation and obstructive emphysema, usually of allergic origin."

The aim is to remove or reduce predisposing influences (allergy, the common cold and paranasal sinus diseases as well as bronchitis; and physical, psychosomatic, and miscellaneous factors) as early as possible. Whether there was an allergic stimulation requires to be investigated, but treatment should not be excluded while the investigation is in progress.

Subcutaneous administration of 0.2-0.3 mil of 1:1000 adrenaline hydrochloride is considered to be of value, though larger doses may precipitate an "adrenaline-fast" state, often encountered in patients. Repeated use of adrenaline preparations should be avoided until sensitivity to them is restored, and a useful rule is to avoid introducing the drug into intravenous infusions of aminophylline, iodides, dextrose, etc., administered in status asthmaticus. Bronchodilator aerosols have proved of value in relaxing bronchospasm, and an attack may be relieved or aborted by the use of 0.05-0.1 mil of nebulised spray. More severe spasm may require 0.5-1 mil of a nebulised bronchodilator solution to be continuously administered with the aid of oxygen or a simple air-pump (usually for 10-15 minutes at a rate of 4 litres per minute). Bronchodilators mentioned are 2.25 per cent. racemic adrenaline hydrochloride; isoproterenol hydrochloride 1:200; 2.5 per cent. racemic adrenaline hydrochloride with 0.5 per cent. atropine sulphate; 0.4 per cent. isoproterenol sulphate with 2 per cent. phenylephrine hydrochloride. Aminophylline may be administered orally in cases of bronchoconstriction, with higher doses if antinausea factors are added. One such preparation contains 300 mgm. of aminophylline, 150 mgm. of aluminium hydroxide, and 30 mgm. of ethyl aminobenzoate—a basic formula that may be varied to meet individual requirements.

Persistent attacks may be treated by rectal administration, for which available suppositories are less valuable than 300-600 mgm. of aminophylline dissolved in 15 mils of tap water and administered rectally every 8-12 hours (for children, 60-200 mgm.). If relief is not obtained from any of the above procedures, severe paroxysm of coughing and wheezing may be treated with intravenous aminophylline (for attacks of less than 12 hours' duration, 250 mgm. in 10 mils of water for injection; for more protracted attacks 500 mgm. aminophylline in 200 mils. To avoid untoward effects, injection speeds should normally be approximately 1 mil per minute. If more than one parenteral administration is needed daily, the patient is taken to hospital and given continuous infusion (aminophylline, 500 mgm., in a litre of 5 per cent. dextrose) at a

rate of thirty drops per minute to a maximum of 3 litres in twenty-four hours. If after one or two days there is improvement, intermittent administration of 1,500 mils between 9 a.m. and 9 p.m. may be substituted. Treatment may extend to ten days, though rectal administration is suggested during convalescence. After recovery oral aminophylline with aluminium hydroxide and ethyl aminobenzoate should replace rectal therapy in view of the presence of latent bronchoconstriction.

The "trigger" effect of bronchitic cough may extend distress and call for bronchial evacuation, using therapy based upon expectorants: iodides, ipecacuanha; positional drainage; and/or bronchoscopy. A patient with a productive cough should not be sedated or the bronchiolar mucus, by retention and dehydration, may become thickened and tenacious. Diphenhydramine hydrochloride and aminophylline have

special value in cases associated with vasomotor rhinitis. Very ill patients benefit from the addition of 1-2 gm. of sodium iodide to each litre of infusion solution. When coughing becomes productive, oral administration of a saturated potassium-iodide solution may be started (initially 0.2 mil after each meal and at bedtime, with a gradual daily increase of 0.1 mil per dose to a maximum of 1.3 mil; at that point dosage is abruptly returned to 0.2 mil and gradually increased once more—a procedure intended to prevent the development of intolerance). If the saturated potassium iodide solution causes gastric irritation, enteric-coated tablets of 0.5 to 1 gm. of salt may be substituted. Ipecacuanha is worthy of trial in the form of a syrup (composition not given) administered with lukewarm boiled water. Positional drainage is of greatest effect when the patient has easily raised accumulated

secretions. Antitussive measures include the avoidance of irritants and the administration of benzonatate, or 30-60 mgm. of noscapine at graded intervals. Asthmatic patients frequently suffer anxiety, fear, insecurity, etc., and those may be accentuated by aminophylline, adrenergic compounds, and corticosteroids. Heavy sedation is inadvisable, but an attack of several hours' duration requires sedation in addition to intravenous asthma therapy. Sodium bromide or chloral hydrate are of value in mild or recurring chronic attacks. Meperidine hydrochloride (50-100 mgm.) at 6-8-hour intervals for 2-5 days has not caused addiction, though the method is not suggested for routine use. Paraldehyde (20-30 mils) or ether (60-70 mils) may be administered as a retention enema. Chlorpromazine, prochlorperazine or meprobamate may be of value in the patient who is seriously ill.

STATUTORY COMMITTEE'S ADVERTISING INQUIRY

Concluded from THE CHEMIST AND DRUGGIST, March 21, p. 308

SIR MILNER HOLLAND for the companies said that if the Statutory Committee's decision was adverse his clients, subject to their right of appeal to the High Court, would comply with it. "This is a matter which we are seeking to test and we shall accept the decisions of the Statutory Committee, subject to that right of appeal and conduct ourselves accordingly." He submitted that those who exercised that profession of pharmacy exercised one which was inextricably entangled with trading. The pharmacist acted as a trader when he sold aspirins without a doctor's prescription and a professional man when he sold them with a prescription. It was impossible to say "Here is a man carrying on a profession and nothing else." He sold goods sometimes in his professional capacity and sometimes not. There were people such as estate agents who might rightly be regarded as professional men who could and did advertise and there was nothing improper about it. The companies concerned in the case entirely subscribed to the view held by the Pharmaceutical Society about advertising, that it was undesirable to advertise in a form which suggested that "you and you alone are capable of accurately compounding prescriptions and that your dispensing is more reliable than others, because that implies a criticism of the other members of your own professional body." Referring to previous decisions of the Statutory Committee Sir Milner Holland believed that if the advertisements which were the subject of the present case had been submitted in 1950 the decision would have been "no misconduct." A previous decision had included the following "... in existing circumstances we do not regard as misconduct the use in a dignified public advertisement of the description 'dispensing chemist' with his address and the days on which and hours between which his dispensing services are there available." He did not think that either of the advertisements was undignified. There was nothing vulgar about them. Dealing with the history of the 1953 regulation, Sir

Milner Holland said it was far from clear that the whole body of pharmacists thought there was anything wrong in advertising as dispensing chemists. It was quite plain that the feeling at the annual general meeting in 1953 took a different line from that of the Branch Representatives' meeting. The annual general meeting was in favour of permitting public announcements of the fact that one was a dispensing chemist, though Sir Milner Holland admitted, not by a large majority. "It is no good pretending that this ruling in 1953 proceeded from a general conscience among pharmacists... because it isn't true." Dealing with the Easter advertisement Sir Milner Holland said "My friend says it implies we dispense medicines. I do not know where he got that from. It says as we are entitled to say, when we are open, the hours we are open and what the shop is open for." THE CHAIRMAN: "What Mr. Lloyd-Jones is saying is that you refer to the supply of medicines and any reader of that would interpret the work 'supply' as including the dispensing of medicines. He would not distinguish in his mind between the supply of medicine on prescription and the supply without." SIR MILNER HOLLAND: "If he is right what it amounts to is that my clients cannot advertise their hours of opening at all." Everybody knew that the company "fill prescriptions." "Let us be realistic about it. ... 'XYZ' the chemists will remain open day and night, that would be wrong too. Impliedly, because we say we are open day and night we are advertising dispensing and that is... disgraceful conduct for which we should be removed from the register." That was where the whole question of the inevitable mixture of professional standards and trading standards made it unworkable to say that when a pharmacist stepped out of his dispensary into his shop to sell some toilet soap, his right foot was the professional foot and his left was the trader's foot. "To bring the company before the Committee for that advertisement—and I do not mince my words—is really childish and absurd."

Sir Milner dealt with the National Health Service (General Medical and Pharmaceutical Services) Regulations 1954 and stated that Parliament expressly allowed chemists to advertise.

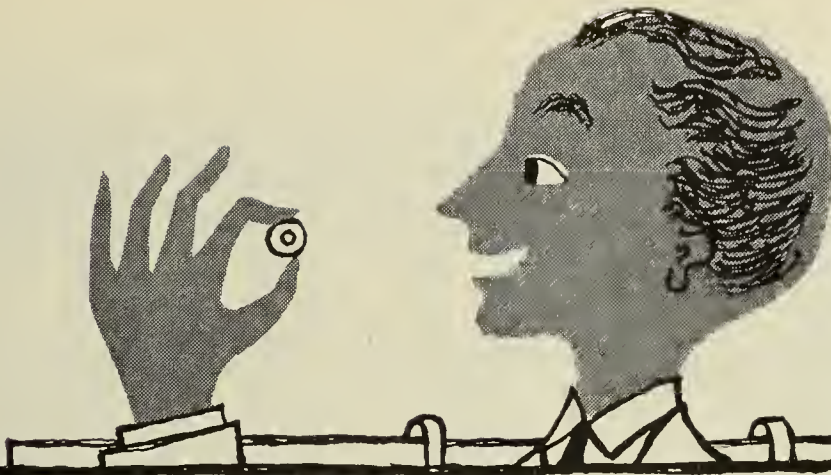
Power of the Committee

He reminded the Committee that when it was first set up in 1933 the power which it was exercising was that which Parliament had in mind for something which, in the abstract, was considered as misconduct, which in that context was linked with a criminal offence. The purpose of the Pharmacy and Poisons Act 1933 was to protect the public by creating a reliable body of pharmacists on whom the public could rely. In 1933 nobody had thought that there was anything wrong in advertising, save of course misleading advertisements. Parliament could not have intended anybody to interpret misconduct as they thought fit. If the climate of opinion had changed and it was considered that advertising was misconduct it was for Parliament to say so!

THE CHAIRMAN: "Do you put your proposition as widely as this? That the categories of misconduct must be deemed to be closed in 1933 and that thereafter nothing that is not misconduct in 1933 can be deemed to be misconduct?" SIR MILNER: "Yes I do. Parliament must have known what it was doing."

Sir Milner thought it was in the national interest that the type of advertisement with which the present cases were concerned should not be prevented. They gave the public useful information.

Mr. Lloyd-Jones later addressed the Committee and suggested that it was unrealistic to talk about misconduct in terms of a period before the 1933 Act or even at the passing of the 1933 Act when the code of ethics was not in existence. Furthermore the Committee did not come in at the passing of the Act but was postponed until 1936. It was for the Committee, against the whole background of the 1933 Act, to decide what was misconduct.



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'TRILLET'S' are the NEW throat lozenges containing

HALOPENIUM CHLORIDE – an extremely potent
antibacterial which is virtually non-toxic

FRAMYCETIN – active against a wide range of organisms

'XYLOCAINE' – which soothes inflamed surfaces

'Trillets' are effective against most bacteria found in mouth and
throat infections. The comforting action is considerably assisted
by the increased salivary secretion caused by 'Trillets'

'TRILLET'S'

... are so safe they can be taken as often as four times an hour

... are pleasantly flavoured and can be taken by children

... are being introduced to doctors, so expect prescriptions soon

... can be taken with advantage before and after dental treatment

smooth, soothing

'TRILLET'S'

TRADE MARK

in tubes of 15, retailing at 2/6 a tube

'XYLOCAINE' IS THE REGISTERED TRADE MARK OF A. B. ASTRA, SWEDEN



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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 25: Trading in CRUDE DRUGS was again on a limited scale during the week. Sarawak PEPPER prices were markedly easier. Other SPICES showing the same trend were TURMERIC (down 2s. 6d. per cwt.) and both African and Cochin varieties of GINGER.

QUASSIA was offered on the spot at 120s. per cwt. against 130s. recently. Firm features of the market included AGAR which was 1s. 3d. per lb. dearer; GUM ACACIA up 5s. per cwt. and Brazilian MENTHOL up sixpence per lb. Aleppy green CARDAMOMS for shipment were 1s. 3d. per lb. higher.

Among ESSENTIAL OILS a sharp rise in Bourbon GERANIUM put the forward price 7s. 6d. higher than last week—a lead which spot holders did not entirely follow and thus spot quotations were cheaper than those for shipment. Brazilian PEPPERMINT was threepence per lb. dearer in both positions and PATCHOULI one shilling up for spot supplies. Mysore SANDALWOOD dropped 2s. 6d. per lb. with quotations ranging from 80s. to 82s. 6d. per lb.

A substantial fall in the price of CALCIUM LACTATE was the only price change in PHARMACEUTICAL CHEMICALS during the week.

Another British chemical manufacturer is to produce PHTHALIC ANHYDRIDE.

Pharmaceutical Chemicals

ADRENALINE. — Rates for synthetic B.P. are from 1s. 1d. (500-gm. lots) to 1s. 6d. (10-gm.) per gm. and ACID TARTRATE, B.P., from 9d. to 1s.

ALUMINIUM HYDROXIDE. — One-cwt. lots of B.P.C. 1943 are 3s. 3d. per lb.

ANTIMONY SALTS.—Quotations for POTASSIUM TARTRATE B.P., are 7s. 6d. per lb. for 1-10 cwt. and SODIUM TARTRATE, B.P., 12s. 6d.

ASPIRIN. — 5-cwt. lots are 4s. 9d. per lb.; 1-cwt., 4s. 11d. The CALCIUM SALT is 12s. 6d. per lb.

ATROPINE.—Rates for 16-oz. (500-gm.);

	per oz.		per kilo	
	s.	d.	s.	d.
ALKALOID	39	0	1375	0
HYDROCHLORIDE ..	36	0	1269	0
METHONITRATE ..	39	0	1375	0
METHYLBROMIDE ..	38	6	1357	0
SULPHATE	34	0	1198	6

BORAX. — B.P. grade for quantities of 1 ton and upwards; Granular, £55; crystals, £57 10s.; powder, £58 10s.; extra fine powder, £59 10s. per ton. Supplied in hessian sacks. Prices of commercial range from £45 to £50 10s. per ton, as to type and packing. Dehydrated borax is £68 per ton in paper-lined hessian bags or £67 in paper bags; carriage paid in Great Britain. Surcharges for smaller quantities: Less than 1 ton but not less than 5 cwt., 1s. per cwt., 3 cwt., 2s.; 1 cwt., 3s.

BORIC ACID. — Prices (per ton) for B.P. grade in quantities of 1 ton and upwards are as follows:— Granular, £89 10s.; crystals, £96 10s.; powder, £94; extra-fine powder, £96 per ton in lined hessian bags, carriage paid in Great Britain. Less £1 per ton if supplied in paper bags. Technical grades range from £75 10s. to £85 per ton according to type and packing.

CALCIUM CARBONATE.—B.P. light precipitated powder, 1-ton lots, £33 per ton in free bags, ex works.

CALCIUM CHLORIDE. — B.P. crystals are 1s. 3½d., and granulated, 10½d. per lb. in 1-cwt. lots.

CALCIUM GLUCONATE. — Quantities of 3 cwt. and upwards are quoted at 3s. 6d. per lb.; 1 cwt. to 2 cwt., 3s. 7d.

CALCIUM SUCCINATE. — Quotations are from 10s. 6d. to 12s. 6d. per lb., as to quantity. SUCCINIC ACID is from 10s. 6d. to 12s. 3d. per lb.

CHALK. — Prepared powder B.P., is £22 per ton for minimum 1-ton ex works.

CHLORAL HYDRATE. — In 1-cwt. lots the price is about 4s. 3d. per lb.

ETHER. — Prices (per lb.) in winchesters are as follows:—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.

FORMALDEHYDE. — B.P. solution in 1-4 drum lots is £39 15s. per ton; 5-drum lots are £38 15s. per ton.

GLYCEROPHOSPHATES.—Rates per lb. for 1-cwt. lots are as follows:—ACID, B.P.C., 20 per cent., 4s. 7d.; CALCIUM, soluble, B.P.C., 11s. 9d.; IRON, B.P.C., scale, 15s. 9d. and powders, 14s. 9d.; MAGNESIUM, soluble, B.P.C., 14s. 3d., and insoluble, 7s. 6d.; MANGANESE, B.P.C., 26s. 3d.; POTASSIUM, 50 per cent., B.P.C., 3s. 9d. and 50 per cent., B.P.C., 3s. 1d. and 75 per cent., B.P.C., 5s. 6d.

GUAIACOLS.—LIQUID B.P. is 16s. 3d. per lb. for 28-lb. lots; CRYSTALS, 16s. 9d.; CARBONATE, 18s. 3d.

HEXAMINE.—B.P. is 1s. 11½d. per lb. for 1-ton lots, delivered in 1-cwt. kegs. Technical is threepence per lb. under those rates.

HOMATROPINE.—Current rates (per oz.) for 16-oz. lots are now: ALKALOID, 30s. 6d.; HYDROBROMIDE, 24s. 6d.; HYDROCHLORIDE, 28s. 6d.; METHYLBROMIDE, 25s. 6d. 1-oz. rates are 1s. 6d. per oz. above those rates.

ISOPRENALINE SULPHATE.—B.P. is 1s. 3d. per gm. for 1,000-gm. lots and 1s. 9d. per gm. for 100-gm. lots.

KAOLIN.—In 1-cwt. bags LIGHT is quoted at 60s. per cwt. and 1-ton lots at 57s.

LACTATES. — CALCIUM, B.P., is 2s. 3d. per lb. in 5-cwt. lots and 2s. 4d. in 1-cwt. lots; CALCIUM SODIUM for similar quantities is 4s. 9d. and 4s. 10d. per lb.

LACTIC ACID. — B.P. is 4s. 5d. per lb. for 12-winchester lots and 4s. 4d. for 5-cwt. lots.

LACTOSE.—English, in 1-ton lots packed in 1-cwt. paper-lined sacks, is £129 10s. per ton, delivered in the United Kingdom.

LEAD ACETATE. — B.P. crystals are 200s. per cwt. and technical, 180s.

MANDELIC ACID.—In 1-cwt. lots the price is 12s. 6d. per lb., with the CALCIUM SALT also 12s. 6d. SODIUM MANDELATE is 13s. and AMMONIUM MANDELATE 50 per cent. solution, 7s. 6d.

MERCURY DERIVATIVES.—Quotations (per kilo) for less than 50-kilo lots are now as follows:—AMMONIATED, B.P., lump or powder, 58s. 9d.; PERCHLORIDE, B.P., powder, 50s. 9d. and lump, 51s. 9d.; SUBCHLORIDE (calomel), B.P., 58s., OXIDES, yellow, B.P., 61s. 6d.; red B.P.C., 1949, 62s. 6d.

METHOIN.—B.P. is about 120s. per lb.

METOL. — In 1-cwt. lots the price is 24s. 6d. per lb.

OLEIC ACID. — B.P. grade £170 10s. per ton (£174 10s. single drum lots); 1 gall. tins 21s. per gall.

PHENACETIN. — In 5-cwt. lots makers' price is 6s. 8d. per lb.; 1-cwt., 6s. 9d.

SULPHOCARBOLATES.—SODIUM PHENOSULPHONATE, B.P.C., 1949 (powder) is 5s. 6d. per lb. in 1-cwt. lots and ZINC, B.P.C., 1949, is 5s. 6d.

TEREBENE.—For 1-carboy lots, 4s. 2d. per lb. is asked. In winchesters, prices are 15s. 9d. per lb.; 28-lb., 14s. 6d.

ZINC CARBONATE.—In 1-cwt. lots the price is 1s. 9½d. per lb.

ZINC CHLORIDE. — B.P.C. cake from 4s. 6d. to 4s. 10d. per lb.; sticks from 5s. 10d. to 6s. 2d. per lb. TECHNICAL, 115s. per cwt.

ZINC OXIDE.—B.P. quality in 2-ton lots is now £110 10s.; 1-ton, £111; 10-cwt., £112 10s.

ZINC PEROXIDE. — Price (per lb.) for 1-cwt. lots of B.P. is 5s. 3d.

ZINC SULPHATE.—B.P. in 1-cwt. lots is quoted at 1s. 9d. per lb.; technical, 60s. per cwt.

Industrial Chemicals

ACETALDEHYDE. — The 100 per cent. is £155 per ton.

ACETATES. — Prices (per cwt.) for drum lots are as follows:—AMYL (technical), 255s., and B.S.S., 257s. BUTYL, 179s.; ETHYL, 151s.; ISOPROPYL, 147s.

ACETIC ANHYDRIDE. — 10-ton lots are quoted at £126 per ton, delivered U.K. in returnable drums; 1-ton lots, £128.

ACETONE. — One-ton lots are quoted at £90 per ton.

BENZOLE. — Thiophene-free is from 9s. 3½d. per gall. for one 50-gall. barrel and pure, 6s. 3½d. per gall. for similar lots.

N-BUTYL ALCOHOL. — 1-ton to 5-ton lots are quoted at £159 per ton and one-drum lots are £163 per ton. Secondary is £130.

CARBON TETRACHLORIDE, B.P.—1-2-carboy lots are £135 per ton. TECHNICAL, in 40-gall. drums, in less than 1-ton lots is £84; 1 ton and under 2 tons, £81; 2 tons and under 4 tons, £80 10s.; 4 tons and upwards, £79 10s.

ISOPROPYL ALCOHOL. — Technical grade (99 per cent.) 5s. 0½d. per gall. for 10,000-gall. lots; anhydrous in drum lots is £108 per ton.

METHYL ETHYL KETONE.—One-ton lots in drums are quoted at £145 per ton.

METHYL ISOBUTYL KETONE. — One-ton lots (in one delivery) are now £165 per ton.

NAPHTHALENE. — Home market prices (per ton for 4-ton lots at one time) are as follows:—CRUDE, crystallising point 64-71.9° C., £22 5s. to £23; WHIZZED, c.p. 72-77.5° C., £27 5s. to £35 15s. according to the crystallising point, ex works; PHTHALIC grade, minimum c.p. 77.5° C., £42 10s. ex maker's works; CRYSTALS from £62 10s. to £65, delivered; BALL AND FLAKE, £71 to £73 10s. delivered.

PHTHALATES.—Prices (per ton) for drum lots are as follows:—DIBUTYL, £216; DI-ISOBUTYL, £202; DIETHYL, £193 10s.; DIMETHYL, £185.

STEARATES. — Spot prices for minimum 1-ton lots are now as follows:—ALUMINIUM (all grades), 258s. 6d. per cwt., CALCIUM (precipitated), 248s. 6d.; LEAD (30 per cent.), 228s. 6d.; MAGNESIUM (standard), 261s. and (superfine), 307s.; ZINC, 261s. to 291s. as to grade.

TITANIUM DIOXIDE.—In 5-ton spot lots anatase is from £162 5s. per ton; rutile is £178 5s. for surface-coated and £170 for non-surface-coated.

Crude Drugs

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

AGAR. — Kobe No. 1 is 11s. 9d. per lb., duty paid; new-crop for shipment, 10s. 6d., c.i.f.

ALOES. — Cape prime on the spot is 215s. per cwt. and for shipment, 192s. 6d., 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.

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

CALAMUS. — Root is quoted at 1s. 4d. per lb., c.i.f.

CAMPHOR. — B.P. POWDER is from 4s. 3d. per lb., duty paid. TABLETS, $\frac{1}{4}$ -oz., are 5s. 6d. in bond.

CAPSICUMS. — East African are from 140s. to 175s. per cwt. on the spot.

CARDAMOMS. — Aleppy greens, spot, 14s. 6d. per lb.; forward shipment, 13s. 9d., c.i.f. Seeds, spot, 24s., shipment, 19s. 6d., c.i.f.

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

CINNAMON. — Ceylon for shipment (c.i.f.) per lb.; OOOO, 6s. 7½d.; OOO, 6s. 5½d.; OO, 6s. 4d.; seconds, 4s. 9½d.; featherings, 2s. 1d.; quillings, 3s. 11d.; chips, 1s. 1d.

CLOVES. — Zanzibar on the spot are 3s. per lb.; shipment, 2s. 8d., c.i.f.

COLOCYNTH PULP. — Spot, 2s. 9d. per lb.; shipment, 215s. cwt., c.i.f.

DIGITALIS LEAF. — *Purpurea* from 1s. 2½d. to 2s. 7d. per lb., c.i.f.

ELEMI. — Spot from 1s. 10½d. per lb.

FRANGULA. — Spot is 105s. per cwt.

GENTIAN. — Spot: French, 170s. per cwt.; Jugo-Slavian, 152s. 6d.

HENNA. — Indian for shipment 72s. 6d., c.i.f.

GINGER. — African, 125s. per cwt. spot and 125s. (new crop), c.i.f. Jamaican No. 3, spot, 260s. and shipment 250s., c.i.f. Cochin spot quoted 130s.

GUM ACACIA. — Kordofan cleaned sorts are 140s. per cwt. on the spot; April-May shipment, 132s. 6d., c.i.f.

HYDRASTIS. — Spot 28s. per lb.

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

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

LANOLIN. — ANHYDROUS, B.P., is from 170s. to 175s. per cwt. in 1-ton lots and HYDROUS, B.P., 150s., free drums, delivered.

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

LYCOPodium. — Russian triple-sifted for shipment, 25s. per lb., c.i.f., nominal; spot, 30s.

MACE. — Whole pale blade 23s. 6d. per lb. on spot.

MENTHOL. — Chinese is 59s. to 60s. per lb., duty paid; Brazilian, spot, 36s., in bond; April-May shipment, 36s., c.i.f.

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

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

ORRIS ROOT. — Florentine is 335s. per cwt.

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. 1½d. per lb., March-April shipment, 3s. 0½d., c.i.f.; Black Sarawak spot, 1s. 10½d., March-April shipment, 1s. 9d., c.i.f. Black Malabar new-crop for March-April shipment up to 220s., c.i.f., quoted, spot, 230s.

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. — Spot offers are 50s. per cwt., ex wharf.

QUILLAIA. — Spot offers of whole bark at 129s. per cwt.; cut, 160s. 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 6s. 4½d. to 6s. 9d. Best grades not available on the 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, 157s. 6d.; Turkish, 137s. 6d., both duty paid. CARAWAY. — Dutch, 115s., duty paid.

CELERY. — Indian on spot 165s., value new crop for June-July shipment, 130s., c.i.f. CORIANDER. — Moroccan unchanged at 52s. 6d., duty paid; 43s. 6d., c.i.f., quoted for prompt shipment. CUMIN. — Iranian advanced to 275s., duty paid. DILL. — Indian is 80s., spot, and 62s. 6d., c.i.f., for April shipment. FENNEL. — Chinese, 140s., duty paid; Indian quoted at 135s.

FENUGREEK. — Moroccan quiet at 44s., duty paid. MUSTARD. — English, 110s. to 125s. according to quality.

SENEGA. — Spot offered at 14s. 9d. per lb.; shipment nominal.

SENNA. — *Tinnevely* 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.

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

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

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

SYRAX. — Spot, 27s. per lb.

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

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

TURMERIC. — Madras finger is 77s. 6d. on the spot; new crop for April-May shipment, 72s. 6d., 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.). BEES'. — 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. CANDELILLA. — Spot 460s. CARNAUBA. — Fatty grey spot, 580s.; for shipment, 577s. 6d., 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.

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

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.

CANANGA. — Spot is from 42s. 6d. to 45s. per lb.

CARAWAY. — English-distilled is offered at 55s. and imported 27s. 6d. per lb.

CARDAMOM. — Price per lb. is from 350s. for English-distilled and 267s. 6d. for imported.

CASSIA. — Spot is 13s. per lb.; shipment, 13s. 3d., c.i.f.

CUBEB. — Small spot supplies of imported are 65s. per lb.; English, 90s.

EUCALYPTUS. — Australian 70 to 75 per cent. eucalyptol on the spot is 4s. 9d. per lb. 80-85 per cent., 5s. 6d. Spanish (70-75), 4s. spot. Chinese 3s. 6d. to 3s. 9d.

FENNEL. — Spanish sweet on the spot is quoted at 9s. 6d. per lb.

GERANIUM. — Bourbon is 115s. per lb. on the spot and 117s. 6d., c.i.f. Algerian, 92s. 6d.

GINGER. — English-distilled oil is 160s. per lb. Imported: Jamaican, 130s.; Chinese, 72s. 6d., duty paid.

JUNIPER. — B.P.C. 1949 oil is from 12s. 6d. per lb. on the spot. English-distilled, 180s. JUNIPER WOOD, from 5s.

LEMON. — B.P. grades from 16s. to 26s. per lb. on the spot. Californian for shipment, 25s. to 28s. 6d., c.i.f. Terpeneless, 500s. per lb.

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

PATCHOULI. — Penang is 22s. 6d., duty paid and 19s., c.i.f., per lb.

PEPPERMINT. — *Arvensis*: Chinese is 27s. per lb. spot nominal; shipment not offering. Brazilian, 8s. 9d. spot, and 8s. 7½d. 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.

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

SANDALWOOD. — Mysore offered from 80s. to 82s. 6d. per lb. as to source. East Indian, 82s. 6d., spot.

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

UNITED STATES REPORT

NEW YORK, MARCH 24: Lack of both domestic and imported supplies brought an increase in GLYCERIN prices making the soap lye 18½ cents a lb., up a half-cent, and the saponification type nominally 20½ cents, up one cent. CYANOCOBALAMIN (Vitamin B₁₂) has been reduced to \$139 per gm. for the U.S.P. crystalline, a cut of \$24 from its former price.

BOTANICAL DRUGS were about unchanged and in only average demand. SENEGA ROOT was increased ten cents to \$2.20 per lb. Higher per lb. among ESSENTIAL OILS were Bourbon GERANIUM at \$19.25 (up 25 cents), and LIME at \$7.75 (up 75 cents). Lower per lb. were East Indian SANDALWOOD OIL at \$13.25 (down ten cents); ABIETIS, \$2.70 (25 cents); CORIANDER, \$11 (50 cents); Italian LEMON, \$6.50 (25 cents); and Dalmatian SAGE, \$3.60 (15 cents).

WORLD TRADE

Competition for Latin American Market.—European chemical producers are cutting deeper into the United States share of the 736 million-dollar Latin American market, according to the periodical *Chemical Week*. In 1956, U.S. firms gathered 63.1 per cent. of a \$50 million market; in 1957 the share was 60.7 per cent. of a 745-million-dollar market which last year slipped to 58.7 per cent.

Pakistan and Foreign Investors.—The Pakistan Minister of Industries on February 20 said that the Government had no intention of nationalising industries involving foreign investment. Should circumstances or an emergency necessitate nationalisation, he said "just and fair compensation will be paid in the currency of the country from where the foreign investment originated." Industries where the Government sought to attract foreign investment included heavy chemicals and pharmaceuticals.

Pharmaceutical Manufacture in Colombia.—Several subsidiaries and affiliates of leading United States chemical and pharmaceutical organisations have received credits from the Washington Export-Import Bank for expansion projects. Abbott Laboratories de Colombia, S.R.L., Bogota, were given a credit of 7.7 million pesos (17.2 pesos equal £1) to finance the construction of a pharmaceutical plant near Bogota; Carboquímica S.A., Bogota, an affiliate of W. R. Grace & Co., New York, obtained 600,000 pesos for new facilities for the manufacture of chemical products, while 2.4 million pesos were lent to Parke Davis Inter-American Corp., Ltd., for the construction of a pharmaceutical plant. Pfizer Corporation, Bogota, is to construct a pharmaceutical packaging plant in Bogota with the aid of a credit totalling 1.7 million pesos.

MISCELLANEOUS INQUIRIES

Silcock's Base

Can you give me the formula for Silcock's base?

THE formula for Silcock's base is:—

Paraffin liq.	15 per cent.
Promulsin wax	10 per cent.
Aqua dest. ad	100 per cent.

Cannibalism in Poultry

Can you tell me anything about the use of methionine in the treatment of cannibalism in poultry?

THE use of amino-acid methionine for cannibalism in poultry is given in the following extract on the use of methionine in poultry feeds (W. M. Neal, *Poultry Science*, 1956, 35, 10-13):—"Cannibalism and feather-picking are vices causing great anxiety to the commercial poultry keeper—particularly under deep-litter management. Numerous reasons have been put forward to explain these conditions—e.g., boredom, too much heat, crowding and various food deficiencies. W. M. Neal considers the cause to be a deficiency of methionine. He submits data showing that a level of 0.3 per cent. methionine suppressed the condition in his flock after an interval sufficient to permit the ab-

sorption of methionine from the digestive tract. Feather-picking and cannibalism virtually disappeared from the flock for the approximate time that the supplementation maintained an increased physiological level of this nutrient. In support of this theory, Neal draws attention to the suppression of cannibalism that has often been noted following oat feeding. This action, he pointed out, effectively reduces the energy content of most diets and so narrows the methionine : energy ration, i.e., effectively increases the methionine level. Attention is drawn to the fact that 0.3 per cent. methionine in the diet is little in excess of the 0.28 per cent. N.R.C. recommendation." From this, you will see that the drug should be used in the feed at a strength of 0.3 per cent., preferably at the time when the trouble is rife, and for a short period afterwards. Medicinal quality methionine can be obtained from most drug houses. It is possible that a commercial grade may be available at a lower price.

Sterilising Dairy Equipment

Can you name any chemicals that may be used to keep well water in proper condition for cleaning milk utensils? The well is fed partially from a spring.

STERILISATION of dairy farm utensils may be carried out either with steam or with approved solutions of sodium hypochlorite. Treatment with sodium hypochlorite is commonly practised in this country; it is permitted by the Milk and Dairies Regulations. Only officially approved brands of hypochlorite may be used, and details of them are given in Advisory Leaflet No. 422, "Sterilising Farm Dairy Utensils by Approved Hypochlorite," issued by the Ministry of Agriculture, Fisheries and Food. It would be desirable to send a sample of the well water to the local public-health laboratory for bacteriological examination, so as to be certain that the water is safe to use.

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," March 18th

For acetylated cetyl alcohol (1)

CETILON, 774,578, by Field & Co. (Aromatics), Ltd., Ruislip, Middlesex.

For chemical products for use in photographic development processes (1)

PHENISOL, 783,512, by Ilford, Ltd., Ilford, Essex.

For all goods (1 & 3)

IRGASAN, 783,560-61, TINUVIN, 783,562-63, by J. R. Geigy, S.A., Basle, Switzerland.

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

Device of word GERARD, 779,371-72, by Gerard Brothers, Ltd., Nottingham.

For non-medicated toilet preparations, cosmetic preparations, soaps, shampoos, hair lotions, perfumes, dentifrices, lipsticks, brilliantine, eau-de-Cologne, essential oils and toilet articles (not included in other classes) (3)

BEAETHYS, 780,039, by Beauthys, Neuilly-on-Seine, France.

For all goods (3)

PANTENIL, 783,412, by Roche Products, Ltd., Welwyn Garden City, Herts.

For pharmaceutical preparations and substances for human use (5)

LUDOMIL, 777,522, by CIBA, Ltd., Basle, Switzerland.

For all goods (5)

BENTEN, B779,679, by C. L. Bencard, Ltd., London, N.W.10, IMPATAX, 779,438, IMPOTRIX, 779,440, by Bengel Laboratories, Ltd., Holmes Chapel, Ches, AUTRIN, 782,825, by American Cyanamid Co., New York, U.S.A.

NESMIL, 782,984, DIETON, 783,370, by the Nestlé Co., Ltd., Hayes, Middlesex, DEQUALONE, 784,314, by Allen & Hanburys, Ltd., London, E.2.

For pharmaceutical preparations and substances (5)

LOMUDASE, 777,693, LOMUPRENDASE, 777,699, IMPODASE, 779,439, by Bengel Laboratories, Ltd., Holmes Chapel, Ches.

For pharmaceutical preparations and substances for human and veterinary use, being goods in tablet form (5)

HELMATAB, 778,629, by Gale, Baiss & Co., Ltd., London, S.E.15.

For pharmaceutical preparations and substances for human and veterinary use, none being for export to Turkey (5)

ORABOLIN, 779,929, by Organon Laboratories, Ltd., London, W.C.2.

For dental preparations (5)

ROCKSTONE, B780,604, by Virilium Co., Ltd., London, S.W.1.

For pharmaceutical preparations and substances consisting of or containing penicillin (5)

CLEMACILLIN, 781,574, by Distillers Co. (Biochemicals), Ltd., Sreke, Liverpool.

For pharmaceutical preparations (5)

BONASPIN, 781,783, by Farbenfabriken Bayer, A.G., Leverkusen, Germany.

For pharmaceutical preparations and substances consisting of or containing amides (5)

DISAMIDE, 783,573, by The British Drug Houses, Ltd., London, N.1.

For medicinal preparations (5)

MEDIHALER-CORT, 783,930, by Riker Laboratories, Inc., Los Angeles, U.S.A.

For electric apparatus and instruments; photographic and cinematographic apparatus, photographic instruments, etc. (9)

Device, 779,767, by Rank Organisation, Ltd., London, W.1.

For sponges (21)

KINGFISHER, 783,890, by Declon Sponges, Ltd., London, N.6.

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.

Wednesday, April 1

FOOD GROUP, SOCIETY OF CHEMICAL INDUSTRY, 14 Belgrave Square, London, S.W.1, at 6.15 p.m. Professor H. Nicol (West of Scotland Agricultural College) on "Facts About Food Supplies."

LONDON SECTION, SOCIETY FOR ANALYTICAL CHEMISTRY, Chemical Society, Burlington House, London, W.1, at 7 p.m. Original papers.

Thursday, April 2

BURNLEY BRANCH, PHARMACEUTICAL SOCIETY, Cross Keys hotel, St. James Street, at 7.45 p.m. Meeting.

DURHAM COUNTY BRANCH, PHARMACEUTICAL SOCIETY, Waterloo hotel, Old Elver, Durham City, at 7.45 p.m. Meeting.

GUILDFORD BRANCH, PHARMACEUTICAL SOCIETY, Prince of Wales hotel, Guildford, at 7.30 p.m. Meeting.

HARROGATE BRANCH, PHARMACEUTICAL SOCIETY, Blue Bird café, Parliament Street, at 7.30 p.m. Mr. A. Aldington (a past-chairman, National Pharmaceutical Union) on "Pharmacy—Our Business."

Friday, April 3

BIRKENHEAD AND WIRRAL PHARMACISTS' ASSOCIATION AND BRANCH, Central hotel, at 8 p.m. Talk by Dr. F. E. Camps.

MERSEYSIDE BRANCH, NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, 17 Bluecoat Chambers, Liverpool, 1, at 7.45 p.m. Dr. J. Thomas (lecturer in pharmaceutical chemistry, Manchester University) on "The Development of Chemotherapeutic Research."

Advance Information

INTERNATIONAL SYMPOSIUM ON FLUORINE CHEMISTRY, Birmingham University, July 14-17. Applications by June 13 to: General Secretary, Chemical Society, Burlington House, London, W.1.

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.
Alka-Seltzer	2	1	1	—	1	—	1
Amami wave set	—	3	—	—	—	—	—
Andrews liver salt	1	1	1	1	1	1	3
Askit	—	—	—	12	—	—	—
Beecham's pills	4	2	2	3	3	3	3
Bronco toilet rolls	—	4	—	—	—	—	—
California syrup of figs	—	2	2	—	—	—	—
Camay soap	2	2	2	2	2	2	5
Cephos	—	—	3	—	—	—	—
Christy's lanoline face pack	2	1	1	1	2	2	2
Cuticura preparations	3	—	—	—	—	—	—
Damaskin	1	1	—	—	—	—	—
Delsey toilet roll	—	—	—	1	—	—	1
Euthymol tooth-paste	1	1	1	—	—	—	—
Formula 21	—	2	—	—	—	—	—
Gillette razors and blades	1	1	1	1	1	1	1
Ibcol	2	2	2	—	2	2	—
Imperial Leather soap	3	2	2	3	—	—	3
Lanospray	1	2	2	1	—	—	—
Loxene hair cream	—	—	—	—	2	—	2
Lucozade	2	—	—	1	1	—	—
Maclean's tooth-paste	4	3	3	4	4	3	3
Marigold house gloves	2	1	1	1	1	1	1
Max Factor preparations	4	3	4	3	4	5	5
Milk of Magnesia tablets	5	—	—	5	5	7	2
Milk of Magnesia	—	2	2	—	—	—	—
Milpar	—	2	—	—	—	—	—
Phillips tooth-paste	1	—	—	2	—	—	—
Phyllosan	1	2	—	3	—	—	3
PLJ	—	—	1	—	—	—	—
Pond's beauty products	3	3	3	3	3	3	3
Ribena	2	2	2	2	2	2	1
Rinestead pastilles	—	—	—	—	—	1	—
Robinade	—	2	—	—	—	—	—
Sebbix	3	4	4	2	—	—	—
Setlers	—	3	3	—	—	—	3
Shavex	—	2	2	—	—	—	—
Silvikrin hair cream	3	3	3	3	3	3	3
Stergene	—	—	3	3	—	—	3
Sun-Orange Quosh	1	2	2	2	2	2	1
Suregrip house gloves	3	3	3	1	3	1	2
Tru-gel	3	3	3	2	2	2	—
Valderma	—	2	—	2	3	—	—
Valrosa	—	—	—	—	—	2	—
Vaseline medicated shampoo	5	5	5	5	5	5	5
Vitapointe	—	2	2	—	—	—	—
Voscne	3	4	4	5	6	4	10
Yeast-Vite	—	2	2	—	—	—	—
Zoflora	—	—	—	—	1	—	—
Zubes	2	2	2	2	—	—	—



EDINBURGH IN LONDON: A recently installed display in the window of John Bell & Croyden, Wigmore Street, London, W.1, for DF 118, the dihydrocodeine bitartrate speciality of Dunan, Floekhart & Co., Ltd., Edinburgh, compels attention by its enlarged photograph of the Waverley Memorial in Princes Street, with Edinburgh castle in the background.

PRINT AND PUBLICITY

MEDICAL PROPAGANDA

Manufacturers' leaflets, folders, booklets, etc., directed to doctors, but available to pharmacists.

BRITISH SCHERING, LTD., 229 Kensington High Street, London, W.8: "Androgeston," "Neo-Mercazole," "Tyromist," (4-p. folders); "Neutradonna," "Oblivon C" (information cards); "Orasecron" (blotter).

CIBA LABORATORIES, LTD., Horsham, Sussex: Pharmaceutical products therapeutic index (110-p. booklet), "Esidrex" (24-p. booklet and information card), "Tessalon" (12-p. booklet), "Vioform - hydrocortisone" (8-p. booklet).

GEIGY PHARMACEUTICAL CO., LTD., Wythenshawe, Manchester, 23: Documenta Rheumatologica No. 7 (Radiology of the Wrist), Pp. 83; No. 12 (Hereditary in Joint Diseases), Pp. 74. "Irgapyrin" (4-p. folder), "Delta-Butazolidin" (12-p. booklet), "Siogen" (4-p. folder), "Tofranil" (10-p. and 14-p. booklets and dosage card), "Tebafen" (4-p. folder).

MERCK SHARP & DOHME, LTD., Hoddesdon, Herts: "HydroSaluric" (4-p. folder).

PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham, Essex: "Avomine" (blotter), "Largacil" (4-p. folder), "Otamidyl," "Rovamycin," "Penitriad and Sulphatriad" (leaflets), "Stemetil" (information card).

ROCHE PRODUCTS, LTD., 15 Manchester Square, London, W.1: "Gantrisin eye drops" (blotter).

ROUSSEL LABORATORIES, LTD., 847 Harrow Road, London, N.W.10: "PreCortisyl skin lotion and skin cream" (information card).

THE BRITISH DRUG HOUSES, LTD., 16 Graham Street, London, N.1: "Secrosteron" (9-p. booklet and folder).

WARD, BLENKINSOP & CO., LTD., 37 Queen Square, London, W.C.1: "Penotrane pessaries" (information card).

DISPLAY MATERIAL

GLAXO LABORATORIES, LTD., Greenford, Middlesex: Ostermilk and Farex showcards depicting average growth and development of babies and children from one to three years.

JEYES-IBCO SALES, LTD., River Road, Barking, Essex: Counter display carton for Sanilav per-



DISPLAY CARDS: Shulton (Great Britain), Ltd., 160 Piccadilly, London, W.1, have produced several new and arresting display cards for Old Spice. The card illustrated is "permo-finished," and shows against a blue background a selection of Old Spice preparations for men. Another, not shown, is a red and white cut-out card for Old Spice after-shave lotion.

fumed lavatory cleaner to hold six tins, Jeyes' garden scene card for Jeyes' fluid and Jeypeat compound. Size, 12½ x 8 in.

VITAMINS, LTD., Upper Mall, London, W.6: Poster for display in clinics, health centres and schools gives details of basic food requirements of children 1-6 years old.

PRESS ADVERTISING

GLAXO LABORATORIES, LTD., Greenford, Middlesex: Ostermilk and Farex. In *Daily Express*.

KELDON, LTD., Wadsworth Road, Perivale, Middlesex: Optrex eye lotion. In *Envoy* and *Sphere*.

PEPSODENT, LTD., 449 London Road, Isleworth, Middlesex: Twink home permanent. In *Daily Mirror*, *Woman*, *Woman's Own*, *Woman's Realm*, *Woman's Day*, *Woman's Mirror*, *True Story*, *True Romances*, *Photoplay*, *Woman's Story* and *Sincerely*.

POTTER & CLARKE, LTD., River Road, Barking, Essex: Antasma tablets. In *True Story*, *True Romances*, *Woman's Illustrated*, *Woman's Realm*, *Woman's Day*, *Woman's Mirror*.

C. & D. WEEKLY LIST OF PRICES

A = Advanced; R = Reduced; I.R.P. = Inclusive Retail Price; * = Tax 30 per cent.; † = Tax 60 per cent.

BOOTS PURE DRUG CO., LTD. (from March 19)		No. II	175 0
		No. I	230 0
Viules medical cartridges:—	Each	I.R.P.	
adrenaline, 1 in 2,000			
1 mil	6	2 10	4 3 A
atropine sulphate, gr.			
1/100 1 mil	6	2 8	4 0 A
	100	26 0	39 0 A
Cobastab 50, 1 mil	6	2 3	3 0 A
Cobastab 100, 1 mil	6	3 0	4 0 A
Cobastab 200, 1 mil	6	4 6	6 0 A
diamorphine hydrochloride			
gr. ½ 1 mil	6	3 6	5 3 A
Mersalyl 2 mils	6	3 7½	5 5 A
methadone hydrochloride			
10 mgm. 1 mil	6	2 7½	3 6 A
methylamphetamine hydrochloride			
30 mgm. 1.5 mils	6	2 10	4 3 A
nikethamide 2 mils	6	2 10	4 3 A
papaveretum, gr. ¼ with			
scopolamine gr. 1/150			
1 mil	6	3 6	5 3 A
pethidine hydrochloride			
50 mgm. 1 mil	6	2 2	3 3 A
	100	31 8	47 6 A
100 mgm. 2 mils	6	2 11	4 4½ A
	100	43 0	64 6 A

GEDEON RICHTER (GREAT BRITAIN), LTD. (from March 30)

Broval*; Neuratone*; Richter			
mist, bronchials*; Syro-			
fans*; Tussibrom* 6 oz.		2 5 A	
	16 oz.	5 5 A	
dispensing packs	40 oz.	8 10 A	
	80 oz.	17 2 A	
Paratex*; Paravitan* 6 oz.		2 7 A	
	16 oz.	6 1 A	
dispensing packs	40 oz.	9 10 A	
	80 oz.	19 2 A	

NEW PRODUCTS AND PACKS

EVER READY CO. (GT. BRITAIN), LTD. Figaro shaver* No. III 147 0

GOYA, LTD.			
"Remember" perfume†		3 9	
		10 0	
		20 0	
		100 0	

IMPERIAL CHEMICAL INDUSTRIES, LTD., PHARMACEUTICALS DIVISION
Fulcin tablets* 100 51 0 90 0
1,000 560 0 840 0

JOSEPHINE KELL, LTD. Californian Poppy talcum† 2 9

KING DEVELOPMENT CO., LTD. Perfumed Spun-gee* 6 II

LEDERLE LABORATORIES DIVISION, CY-ANAMID OF GT. BRITAIN, LTD. Achromycin V capsules
50 mgm. 25 12 0 18 0
100 45 0 67 6

SMITH & NEPHEW, LTD. Elastoplast pocket strip Doz. 3 0
dressing 8 6 1 0

UNITED CHEMISTS ASSOCIATION, LTD. Forty Plus tonic 3 0
5 0

WILLS

MR. J. R. ELIOTT, Ph.C., M.P.S., 4 Manor Way, Petts Wood, Orpington, Kent, left £9,903 (£8,906 net).

MR. J. HOPKINS, M.P.S., 13 St. David's Avenue, Carmarthen, left £4,000 (£3,629 net).

MR. R. C. RUSSELL, M.P.S., 6 Prospect, Corsham, Wilts, left £3,572 (£2,007 net).

MR. H. I. C. THOMAS, M.P.S., 71 High Street, Sheerness, Kent, left £9,380 (£8,527 net).



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For effective relief from pain
sell Panadol

It is not always possible to know which customers are susceptible to gastric irritation, constipation or allergy troubles. But as PANADOL is safe for everyone, it is definitely indicated when you are asked for something to relieve headache, dysmenorrhoea, rheumatic pains, the common cold or influenza symptoms.

PANADOL is a good analgesic and antipyretic of outstanding safety and freedom from side effects. It contains no aspirin, codeine or phenacetin. You can offer PANADOL with confidence.

Panadol is safe for Everyone

*Tablets: 0.5G., N-acetyl-p-aminophenol.
 In containers of 12, 100, 500 and 2,500.*



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To increase your "NET" sales

These eye-catching advertisements for "Halo" 32 nylon hair nets and "Tango" S.118 pure silk hair nets mean business — for you.

in every town and village

Popular Women's Magazines, having an overall readership of over 9 million women, carry these advertisements every month.



Make certain of your share of this profitable business — order "Halo" 32 and "Tango" S.118. Your wholesaler can supply you.

Made by **BYARD MANUFACTURING CO. LTD.**, WOOLPACK LANE, NOTTINGHAM.

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DISPLAY MATERIAL AVAILABLE



The demand for our products increases, as the range we offer meets most requirements. If you are not already handling these, ask us, or our Representative about our introductory offer for Sylvia.

SYLVIA

12 per packet

Size :	0	1	2	3
Trade price :	19/3	21/6	25/6	30/6 Dozen
Retail Price :	2/1	2/4	2/10	3/6 Packet
Minimum Order	12	12	12	6 Packets

SYLVIA MATERNITY PADS

Size 12 inch. 12 per packet

Trade price :	31/6 Dozen.	Retail price :	3/11 Packet
Minimum Order 6 packets			

SOFTEXE

Sizes 1 and 2 only

Size :	1 (Twelves)	1 (Sixes)	2 (Twelves)
Trade price :	17/7	9/-	22/2 Dozen
Retail price :	2/-	1/-	2/6 Packet
Minimum Order	12	24	12 Packets

QUANTITY ALLOWANCE

A monetary allowance is made on quantities of 7 gross and over, according to brand.

ALTEX

Size 1 only. A splendid seller reserved to the trade

Size :	1 (Twelves)	1 (Sixes)
Trade price :	19/- Dozen	9/9 Dozen
Retail price :	2/1 Packet	1/1 Packet
Minimum Order	12 Packets	24 Packets

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



WINNING EIGHT IN THE BOTTLE RACE

SEE THAT ROWING EIGHT? Reminds me of our bottle makers — United Glass. They've got eight bottle factories on the job, all pulling the same way. Every one of them producing bottles by the million. Now I'm not setting up as a rowing expert. But I do know this. Set a crew of eight against a boat with fewer men in it and I can tell you which one I'd back. Yes, I get bottles from United Glass and nobody else. I still run out of cigarettes and petrol. *But I'm never caught short of bottles for my filling lines.*

The eight United Glass factories keep thousands of customers supplied with bottles for a wide range of products—and no delays. They are first-class designers and market research experts. And they are the only bottle makers in this country with a closure subsidiary. They can help you in so many ways. Please get in touch.

UNITED GLASS

United Glass Ltd., 8 Leicester Street, London, W.C.2. Tel: GERrard 8611
Telegrams: Glaspak, Lesquare, London.



“Don't forget the Bemax, mummy!”



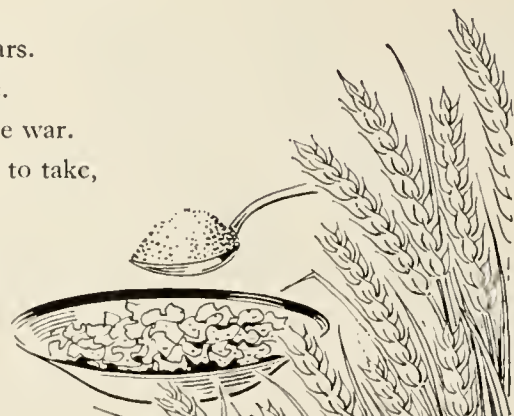
BEMAX is an asset for 6 good reasons

- BEMAX is the richest natural vitamin-protein-mineral supplement containing 27% protein, the whole of the vitamin B complex, and iron—all in their natural state.
- BEMAX improves and maintains health—specially in the trying months of winter and spring.
- Doctors have recommended BEMAX for over 30 years.
- Regular advertising keeps BEMAX before the public.
- The price of BEMAX has never been raised since the war.
- BEMAX helps to keep the whole family well, is easy to take, good for both appetite and digestion.

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WHEAT GERM

VITAMINS LTD., UPPER MALL, LONDON, W.6.



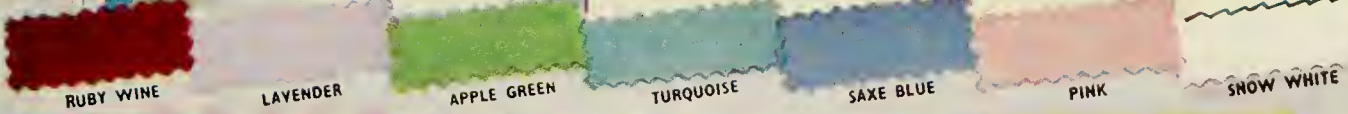
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NYLON

DRESS OVERALLS

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IN THESE BEAUTIFUL SHADES



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5% CASH DISCOUNT
6 OR MORE
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POST FREE!

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GUARANTEED ...
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4 oz. NYLON

Will give your assistants a really smart appearance which in turn will bring business to you
Extremely popular with Staff!

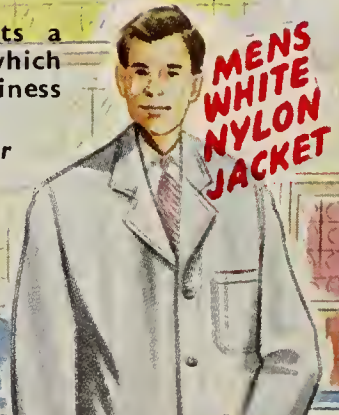


49⁶/₁₀₀

45¹/₁₀₀

Sizes:
Small Men's
Average Men's
& Large Men's
Kindly State Chest Measurement

MENS WHITE NYLON OVERALL COAT



MENS WHITE NYLON JACKET

39⁶/₁₀₀

Sizes:
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Average Men's
& Large Men's
Kindly State Chest Measurement

PLEASE NOTE THESE POINTS

- ★ No Laundry Bills
- ★ No Ironing necessary
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3 large pockets
Flared Skirt
Tie Belt and
Spare Buttons

LONG SLEEVES
SIZES :
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SHORT SLEEVES
45/-
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PROPHYLACTIC NASAL CREAM

For ASTHMA, BRONCHITIS, CATARRH, CORYZA, RHINITIS and many other infections of the naso-pharynx.

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For BLEPHARITIS, CONJUNCTIVITIS, DACRIOCYSTITIS, KERATITIS and other inflammatory conditions of the eye.

Among the MEDICAL AND NURSING PROFESSION and THE FIRST AID ASSOCIATIONS, the ANTIPEOL preparations enjoy a continued and growing popularity. They are highly regarded as simple but effective remedies against even the more virulent forms of skin, nose and eye infections.



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Now Ultraplast Alginate Wound Dressings in handy Pocket Packs are available to your customers. The Alginate Pocket Pack contains 4 Alginate Wound Dressings. For freshness and hygiene each dressing is individually wrapped in a heat-sealed, moisture proof Cellophane envelope. The eye-catching display outer contains 3 dozen Pocket Packs.

ALGINATE is obtained from sea weed and is processed, spun and knitted into a silk-like gauze. In contact with tissue fluids the Alginate gauze softens into a jelly, stops bleeding, speeds healing and provides an admirable protection for the wound.

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Price to retailer 48/- per outer (3 dozen Pocket Packs)
Profit on cost 50%

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STOPS BLEEDING—SPEEDS HEALING—INDIVIDUALLY WRAPPED

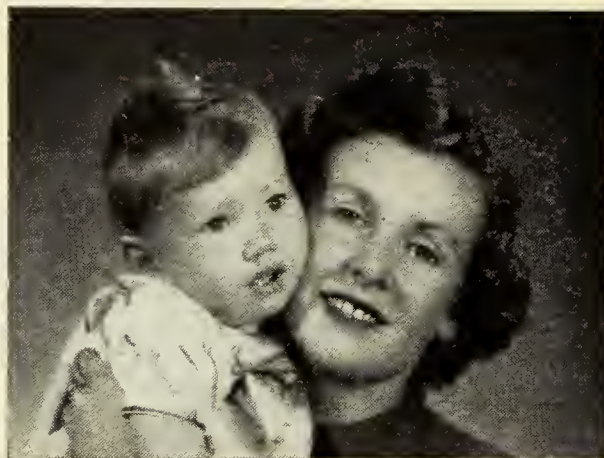


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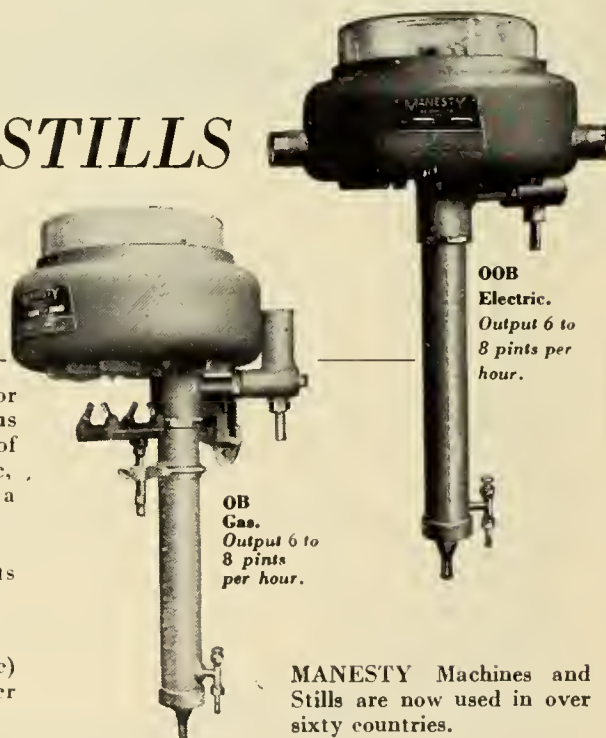
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MANESTY STILLS are available for outputs ranging from 2 pints to 50 gallons per hour.

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For Spring Health



SULPHUR LOZENGES
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The Lozenges, an attractive lime colour as well as Lime Flavoured, are heat-sealed in clear film bags. A popular Spring seller.

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The Anglican Bishops endorse Family Planning

"Family planning, in such ways as are mutually acceptable to husband and wife in Christian conscience . . . is a right and important factor in Christian family life."

REPORT OF THE NINTH LAMBETH CONFERENCE
(1958)

Commenting on the report, the Archbishop of Canterbury said:

"...there is clearly a divine obligation to plan your family and not have them by accident."

Asked if he personally advocated family planning, the Archbishop replied:

"What the conference says is that it is a necessity, and I agree."

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Bishops have given their blessing to the principles of family planning. In setting forth this enlightened point of view, they have removed the confusion and controversy which have surrounded the subject for years. Their wise and human approach will be endorsed by thoughtful people everywhere.



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"Sun-tang"

'NIAGARA'
Blackcurrant Syrup

Sun-tang—made from whole oranges sugar and glucose—contains Vitamin C, essential to good health

Niagara—made from Blackcurrant juice and sugar—rich in Vitamin C—the perfect drink for young and old alike.

More customers are asking for both these delicious, health-giving drinks. Meet the extra demand by ordering ample stocks NOW and make sure of year-round profits.

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NEW DOUBLE SHAMPOO SACHETS

BEER SHAMPOO

a special Blend for BRUNETTES which helps to attain that much sought after high gloss so necessary with either natural or tinted BLACK hairs.

CHAMPAGNE SHAMPOO

is specially packed for those who desire the invigorating effect of wine and spirit with a lovely FRENCH PERFUME.

MEDICATED SHAMPOO

a hair health shampoo free of all harsh antiseptics. Based entirely on the Pure Natural Oils of the Pine and Ti-Trees is delightful to use and assures a clean healthy scalp.

These three shampoos are in double sachets giving sufficient for 2 complete shampoos. Smart and colourful pack.

Price 3/9 doz. plus 1/2 P.T.

From May, Roberts, Sangers or your usual wholesaler or direct.

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R.109

Your customers are catching on to the ROZALEX habit— are you?

An intriguing campaign for Rozalex barrier creams is appearing in the women's magazines. It's to remind women to make a habit of using these barrier creams regularly. Link up with these advertisements by displays—and how are your stocks of No. 1 cream for dry work, No. 8 cream for wet work?

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PRESCRIPTION BOTTLES

require top grade cork stoppers which permit no leakage.

Chemists who know from experience, continually specify Robinson Corks—the first class quality never varies.

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ALEX DRUG STORES LIMITED

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price - maintenance
undertaking
to

ADDIS LIMITED

Alex Drug Stores Ltd., trading as Alex Stores at 79 High Road, Balham, S.W.12, and 375 North End Road, Fulham, S.W.6 and as Alex Super-stores, Surrey House, Surrey Street, Croydon, who had been selling at cut prices the goods of Addis Limited, have now given to Addis Limited an Undertaking under Seal that they will not in future resell any goods sold by Addis Limited subject to a condition that such goods may not be resold at prices below those appearing in the current retail price lists of Addis Limited, at prices below those appearing in the said retail price lists in contravention of Section 25 of the Restrictive Trade Practices Act 1956. Alex Drug Stores Ltd. further undertook to bring the said Undertaking to the notice of any proposed successor or assignee and make it binding upon him or them.

Shaving Soap is a must

Men are conservative creatures who cling through the years to the toiletries that please them. Especially when Cuticura—that mark of distinction—is the brand they favour. You simply cannot afford not to stock, show—and recommend to new shavers—

Cuticura MILDLY MEDICATED Shaving Stick

And don't forget the rest of the popular Cuticura range

SOAP • OINTMENT
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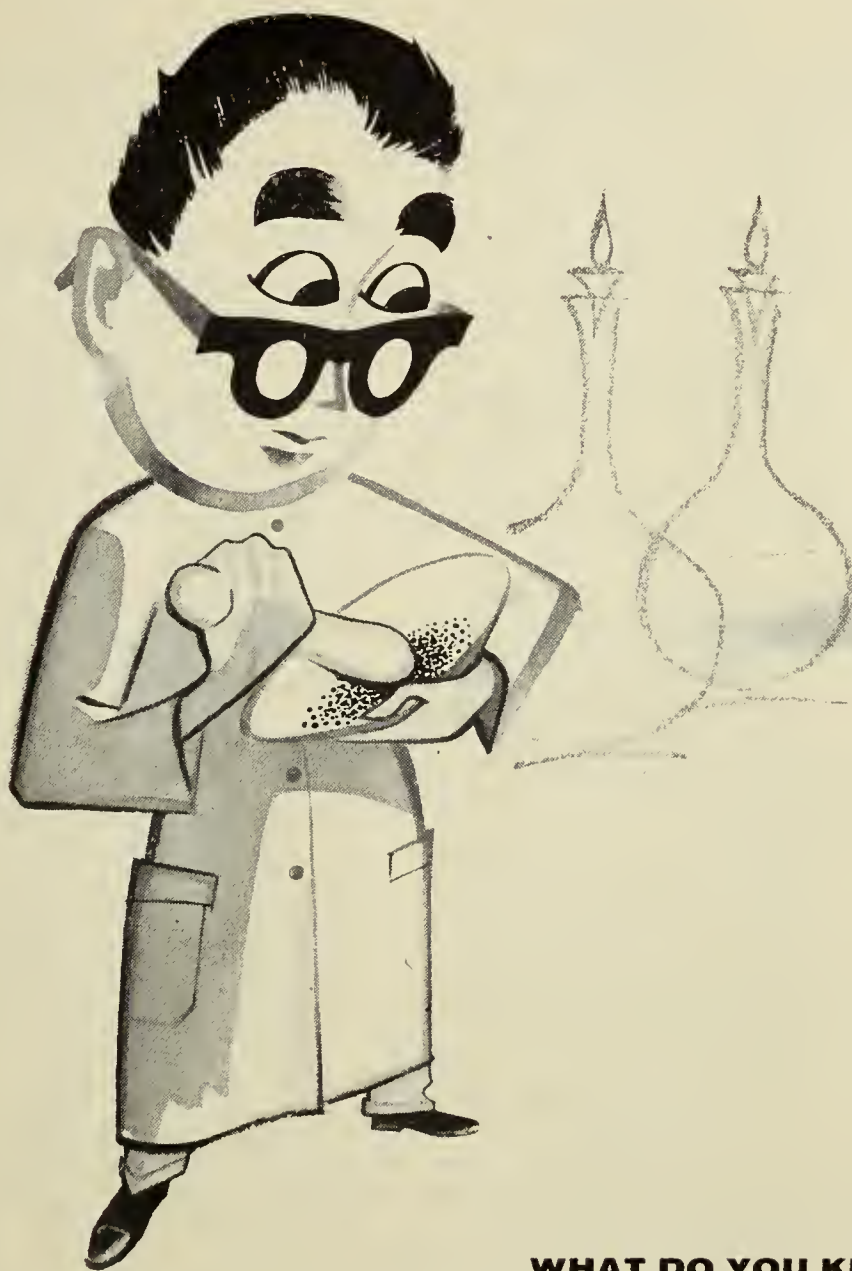
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“Tell me, Mr. Chemist, who would you say produce a range of dispensing boxes really adequate to your needs?”

“Robinsons of Chesterfield sir. And there’s not the slightest doubt about it.”

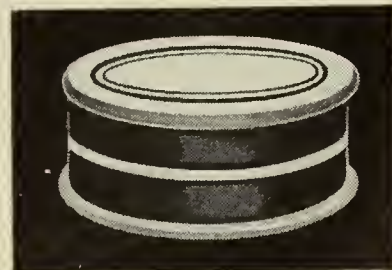
“But can they cater for all your requirements?”

“Without a single exception sir. Their range of Chemists’ boxes include Pill Boxes, Chepette and Sealite Ointment Boxes, Purple Flanged Pill Boxes, Standard ‘Little John’ Drums, Pill and Tablet Cartons—in fact the lot.”

“Well, Mr. Chemist, this must add up to a tremendous amount of Robinson ‘know-how’.”

“It does indeed sir and any Chemist who disregards it is years behind in his methods.”

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Telegrams: “Boxes” Chesterfield. Telephone: 2105, 8 lines

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Specially spaced Advertisements, including:—Public and Legal Notices, Sale by Auction, Appointments, Contract Work, Patents, Partnerships, 18/- per 1/2 inch minimum and pro rata. Box 2/-.. Clearances and Wants, Businesses for Disposal and Wanted, Premises, Agents Wanted, Agencies Wanted, Miscellaneous, 17/6 for 36 words minimum; then 4d. per word. Box 2/-.. Situations Vacant, 12/- for 36 words minimum, then 4d. per word. Box 2/-.. Situations Wanted, 3/- for 18 words minimum; then 2d. per word. Box 1/-..

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DRUG STORE. Large corner site N.W. London shopping parade, multiple area. Excellent for chemist, next door doctor. Lease for disposal and stock at valuation, Box C 9076.

KILWINNING, Ayrshire. Old-established profitable pharmacy for sale owing to death. Offers invited for business and shop property. Stock at valuation. Inquiries to James Patrick & Muir, Solicitors, Dalry, Ayrshire. C 2129

APPOINTMENTS

ANCOATS HOSPITAL, MANCHESTER, 4 Pharmacist

Applications are invited for the above post. Whitley Council Scale and conditions. Applications, stating age and experience, with names of two referees, to the General Superintendent, Dept. C.D. C 9052

BROOKWOOD HOSPITAL, KNAPHILL, WOKING Assistant-in-Dispensing

Applications are invited for the above post. The successful candidate will be required to work under the supervision of the Chief Pharmacist, who is responsible for the preparation and issue of drugs and dressings for about 1,750 patients.

Salary Scale £170 p.a. at age 16 years rising to £375 at age 22 years or over rising to a maximum of £490 p.a. (plus £20 p.a. for an approved qualification).

Professional and Technical Council B of Whitley Council conditions apply to the appointment which is subject to the provision of the National Health Service Superannuation Regulations.

The successful candidate will be required to pass a medical examination.

Accommodation available for female candidate for which a charge of £2 8s. per week will be made.

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

EASTERN HOSPITAL, LONDON, E.9 Locum Pharmacist

14-16 guineas per week, according to experience. Write Secretary, Hackney Hospital, E.9, with full details. C 448

CENTRAL GROUP HOSPITAL MANAGEMENT COMMITTEE, BETHNAL GREEN HOSPITAL, CAMBRIDGE HEATH ROAD, LONDON, E.2 Locum Pharmacists

required for varying periods between May 18 and October 3 for duties in the modern pharmacies at three hospitals in the Group. Salary up to 16 guineas per week. Applications to the Chief Pharmacist. C 447

CENTRAL GROUP HOSPITAL MANAGEMENT COMMITTEE Senior Pharmacist and Pharmacist

for Bethnal Green Hospital. Modern department approved for training students. Salary scale, Senior Pharmacist £675—£865 p.a. Pharmacist £605—£815 p.a., plus higher qualification allowance and London Weighting. Please apply with details of age, training and experience to the Group Secretary, 213 Kingsland Road, London, E.2. C 344

CRUMPSALL HOSPITAL, MANCHESTER, 8 Locum Pharmacist

required, salary £18 18s. per week. Apply, giving age, qualifications, and experience together with the names and addresses of two referees, to the Hospital Administrator, as soon as possible. C 9081

HAREFIELD HOSPITAL, HAREFIELD, MIDDLESEX Assistant-in-Dispensing

required, London Weighting payable and additional £20 p.a. if holding approved qualification. Applications, giving age, qualifications and experience, together with two testimonials to Medical Director. C 9023

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 9042

METROPOLITAN HOSPITAL, KINGSLAND ROAD, LONDON, E.8 Locum Pharmacist

required from Monday, March 23, 1959, to work in a modern department. Apply to Hospital Secretary. C 445

HIGHCROFT HOSPITAL, BIRMINGHAM, 23 Chief Pharmacist (Category II)

Salary £755 to £1,030 per annum plus additional allowance if in possession of higher qualifications.

Apply Secretary, stating age, qualifications and experience and names and addresses of two referees. C 9080

HORNSEY CENTRAL HOSPITAL, PARK ROAD, N.8 Chief Pharmacist (Category I)

required at this general practitioner Hospital. Salary £730 to £985 p.a. Candidates may visit the Department by arrangement with the Hospital Secretary (Mou. 6244). Applications stating age, qualifications and previous experience to Group Secretary, Archway Group H.M.C., 46 Cholmeley Park, N.6, within 10 days. C 9045

LAMBETH HOSPITAL, BROOK DRIVE, S.E.11 (Acute General 501 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

MAIDENHEAD GENERAL HOSPITAL, BERKSHIRE Pharmacist

required immediately. Applications stating age, qualifications and experience with copies of testimonials to the Secretary. C 9070

NORTH WIRRAL HOSPITAL MANAGEMENT COMMITTEE, VICTORIA CENTRAL HOSPITAL, WALLASEY Pharmacist

Applications are invited for the appointment of Pharmacist to assist the Chief Pharmacist. Salary and conditions in accordance with Pharmaceutical Whitley Council Committee "C." Applications, with full details of experience, etc., together with names and addresses of three referees to the Administrative Officer. C 9085

ERNEST J. GEORGE & CO.

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Hospital Stocks. Branches throughout England and Scotland.*

Appointments—Continued

**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 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 9066

**PRESTON AND CHORLEY
HOSPITAL MANAGEMENT
COMMITTEE,
PRESTON ROYAL INFIRMARY
Senior Pharmacist**

Applications are invited for the post of Senior Pharmacist at the above general hospital. Whitley Council scale and conditions. Salary £675 x £30 (1) x £35 (1) x £30 (3) x £35 (1)—£865, plus £25 per annum higher qualification allowance. Additional payments for voluntary evening clinic duties.

Applications with names of two referees, to the Group Secretary, Royal Infirmary, Preston, Lancs. C 9047

**PRUDHOE AND MONKTON
HOSPITAL MANAGEMENT
COMMITTEE,
PRUDHOE AND MONKTON
HOSPITAL,
PRUDHOE-ON-TYNE
Chief Pharmacist**

required. Salary scale as applicable to a Category II hospital, £755 rising to £1,030 per annum. Whitley Council conditions of service. The successful candidate will be expected to work single-handed and to take charge of a new pharmacy to be built in the near future. Applications, stating age and full particulars of experience, etc., together with names and addresses of two referees to be addressed to the Medical Superintendent. C 9068

**PRESTON AND CHORLEY
HOSPITAL MANAGEMENT
COMMITTEE,
CHORLEY AND DISTRICT
HOSPITAL, CHORLEY
Pharmacist**

Applications are invited for the post of pharmacist at the above general hospital. Excellent opportunities to obtain wide experience in hospital pharmacy.

Whitley Council scale and conditions. Salary £580—£785 per annum, plus £25 per annum higher qualification allowance.

Applications with names of two referees, to the Group Secretary, Royal Infirmary, Preston, Lancs. C 9082

**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 9044

**READING AND DISTRICT
HOSPITAL MANAGEMENT
COMMITTEE**

Pharmacist

required at the Royal Berkshire Hospital, Reading (Category V). Six pharmacists with full supporting staff. Frequent five-day weeks. Commencing salary, new entrants, up to £730 p.a. based on previous professional experience and National Service after qualification. Applications to Group Pharmacist, Royal Berkshire Hospital. C 443

**ST. PETER'S HOSPITAL,
CHERTSEY, SURREY**

Pharmacist and Assistant-in-Dispensing

required, Whitley Council conditions. Hospital in pleasant rural surroundings within easy reach London. Temporary accommodation available for single woman.

Salaries: Pharmacist £605 to £815 according to experience.

Assistant-in-Dispensing (age 22 or over) £395 to £510.

Applications stating age and experience giving two referees to Administrative Officer. C 9086

**STEPNEY GROUP HOSPITAL
MANAGEMENT COMMITTEE**

Deputy Chief Pharmacist (Category IV)

Applications are invited for the above post at Mile End Hospital, Bancroft Road, London, E.1. Whitley Council salary scale and conditions of service. The department is responsible for pharmaceutical supplies to another hospital and clinic in the Group and the preparation of sterile products. Further particulars may be obtained from the Chief Pharmacist. Applications stating age, qualifications, experience and the names of two referees, to be sent to the Group Secretary at Mile End Hospital, not later than April 1, 1959. C 9053

**SHREWSBURY HOSPITAL
GROUP,
ROYAL SALOP INFIRMARY
Locum Pharmacist**

required immediately for an indefinite period. Salary £16 16s. per week.

Applications to undersigned from whom any further particulars may be obtained.

J. P. MALLETT,
Group Secretary. C 9074

**ST. STEPHEN'S HOSPITAL,
CHELSEA, S.W.10**

Assistant-in-Dispensing

required immediately. Terms by arrangement. Apply Chief Pharmacist. C 9072

**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

**WHITTINGTON HOSPITAL,
LONDON, N.19
Pharmacists**

required for Archway and St. Mary's Wings. Salary £635-£855 p.a. Candidates may visit the departments by direct arrangement with the Medical Superintendent (Archway 3070, Ext. 440).

Applications, stating age, qualifications, experience, and naming two referees to Medical Superintendent immediately. C 9046

APPOINTMENTS OVERSEAS

CANADA

Required male or female Pharmacist for dispensary of General Hospital — 285 beds, 61 bassinets, 80 chronic unit beds. Commencing salary \$305.00 per month, equivalent in English pounds (approx. £109 per month). Work as Assistant Pharmacist. Application with full details and names of two referees to be sent as soon as possible to: Personnel Manager, St. Thomas-Elgin General Hospital, St. Thomas, Ontario, Canada. C 9084

**SITUATIONS VACANT
RETAIL HOME**

COTSWOLD TOWN. Experienced dispensing assistant required for a good class country business. Salary well above average with living accommodation if required. Interview expenses paid. Box C 2131.

KENT. Manager wanted for small pharmacy requiring interest and attention. Attractive modern flat, garden and garage. 3½ miles from the sea. Sharp & Waterhouse, Ltd., 4 Victoria Road, Deal. C 2151

MIDDLESBROUGH. Pharmacist required to manage branch shop. Salary over £1,000. Competent staff. Superannuation scheme. Modern accommodation if required. Apply with usual particulars to Superintendent Chemist, Middlesbrough Co-operative Chemists, Ltd., Middlesbrough, Yorks. C 2120

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 2145

ORPINGTON, KENT. Lady dispensing assistant required in pleasant family business with an easy reach of London. Permanency. Apply with usual particulars, including salary required, to H. J. Griffiths, manager, Farrants, 130 High Street, Orpington, Phone 20058. C 2138

PHARMACIST assistant, lady, required immediately. No half-day, rota or Sunday duties. Close 1 p.m. Saturday. Congenial position in busy city business. Good supporting staff. Apply giving full particulars to Robert Howden, Ltd., 11 Fenchurch Street, London, E.C.3 (Phone: Man. 7065.) C 2124

PHILADELPHUS JEYES & CO., LTD., of Northampton require managers for Bedford and Stamford branches. Permanent position, with good salary and self-contained flat, rent and rates free. Non-contributory superannuation scheme with life cover. Full particulars in first letter to Philadelphia Jeyes & Co., Ltd., The Drapery, Northampton. C 2149

SEASIDE resort. Pharmacist required as Assistant in high-class business, duties mainly dispensing. Good supporting staff. Suitable flat to applicant's requirements will be made available. Please apply A. Procter & Son, Ltd., 6 Station Parade, Eastbourne. C 2150

SEDFIELD, Co. Durham. Pharmacist, either sex, required to manage busy rural business. No Sunday duty, no rota duty. Salary by arrangement plus bonus. Details of salary required, experience, etc., to Wm. Smith, Chemist, 1 Chaytor Terrace, Fishburn, Stockton-on-Tees. C 2143

WIDNES. Metcalfe's of Liverpool require a Pharmacist/Manager for their branch pharmacy at Ditton, Widnes. Salary £1,040 per annum for a 44-hour week. Three-bedroom flat available. Apply to Managing Director, Metcalfe & Co. (Liverpool), Ltd., 596 Prescott Road, Liverpool, 13. C 2095

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PHOTO SERVICES LTD.
ORMSKIRK, LANCS. Telephone 2380****Situations Vacant—Continued****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

WHOLESALE

ALLEN & HANBURY'S, LTD., Bethnal Green, London, E.2, require a pharmacist to act as representative in the Republic of Ireland and applications are invited from men of sound character with initiative and drive. A period of training will be given. The salary will be commensurate with qualifications and experience and a contributory pension scheme is in operation. Expenses are paid and a car supplied. Full details of age, qualifications and experience should be sent to the Personnel Manager. C 9048

ALLEN & HANBURY'S, LTD., Bethnal Green, London, E.2, require a pharmacist to act as representative for the Bournemouth and Southampton area and applications are invited from men of sound character with initiative and drive. A period of training will be given. The salary will be commensurate with qualifications and experience and a contributory pension scheme is in operation. Expenses are paid and a car supplied. Full details of age, qualifications and experience should be sent to the Personnel Manager. C 9049

AYRTON, SAUNDERS & CO., LTD., require a pharmacist for analytical and research work, preferably with some experience. The applicant will be encouraged to work for A.R.I.C. if not already so qualified. Five-day week; pension scheme. Full details of age, qualifications and experience in writing to: Technical Director, 34 Hanover Street, Liverpool, 1. C 9066

BURROUGHS WELLCOME & CO. invite applications from pharmacists for a post in production at the Wellcome Chemical Works. It will be an advantage if applicants have had some industrial experience, but newly qualified pharmacists will also be considered. Contributory pension scheme. Good conditions of employment. Salary will be in accordance with qualifications and experience. Applications should be made in writing to the Personnel Manager, Wellcome Chemical Works, Dartford, Kent. C 9079

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

FULL-TIME REPRESENTATIVES required by distributor of advertised French lipstick and toilet requisites, covering London and Home Counties. Good salary and commission. Only well-introduced men need apply. Write giving particulars, age, experience, references, to: Distributor, Box C 2148.

INVENTIVE young man, aged 23-28, for well known chemists' sundries manufacturers, view training as export manager. Good prospects for keen, alert type with ideas and personality. Write giving fullest details of career and salary required, Box C 9083.

THE CROOKES LABORATORIES LTD.

require a representative to cover Surrey and West Sussex.

A pharmaceutical qualification or adequate technical background is essential. The appointment is superannuated and well remunerated with progressive salary, adequate expense allowance and commission directly associated with territorial results.

Promotion is possible either in the U.K. or to overseas positions. Only candidates with keen desire to progress should apply in writing with full details regarding age and past experience to the Sales Director, The Crookes Laboratories Limited, Gorst Road, Park Royal, N.W.10.

C 9078

LEADING MANUFACTURERS supplying commercial users now wish to introduce and develop several interesting and new insecticides and weedkillers for the amateur gardener. A new post is open to the man with initiative prepared to advise and to undertake routine visits. All applications treated in strict confidence. Apply to the General Manager, Box C 2144.

**PHARMACEUTICAL
LIAISON OFFICER**

A new appointment is to be made to the administrative research staff of an internationally-known company manufacturing proprietary and lay-pharmaceutical products.

The successful applicant will be a well-qualified (male) pharmacist or pharmaceutical chemist, with specialised knowledge of the pharmacological basis of therapeutics and forensic pharmacy. He will be directly responsible to the Research Director, and will co-operate closely in an advisory capacity, with research teams, and with Senior Sales and Marketing personnel, on the formulation of new therapeutic products. He will also advise on, and assist in, the compilation of promotional literature.

The post calls for extreme keenness and initiative, and a personality which will permit of successful and harmonious negotiation both inside and outside the Company. The associated rewards, both immediate and in prospect, will be attractive. Apply, with full details, in strict confidence, to Box CD 944, LPE, Romano House, 399/401 Strand, London, W.C.2. C 9091

PHARMACIST required as manager of modern factory in Hertfordshire, within easy reach of London. All applications treated in strict confidence. Write giving full particulars to Box C 9064.

PHARMACIST

required as

Assistant to Sales Manager

A young man, preferably aged 23-27 years, and of proven ability, is required to promote sales to retail pharmacies. Initial salary £800 p.a., plus commission and expenses. Sacon car and rent-free flat provided. Within two years the right man can expect to be appointed Asst. Sales Manager at a salary not less than £1,400 p.a. Please supply details of past career and qualifications, in strict confidence, to:

The Managing Director,

**THE CROWN CHEMICAL CO., LTD.,
Lamberhurst, Kent.**

C 9043

REPRESENTATIVE required by well known company. Must be fully experienced in selling top grade French perfumery to stores and retail chemists. Excellent opportunity for right man. Write Box C 2146.

SALES SELECTION LTD.

will safeguard the interests of candidates for the position of Assistant Sales Manager with an International Pharmaceutical House about to expand its operations in the U.K. Essential qualifications are a good knowledge of selling ethical products, experience in training and the ability to control and lead by example a team of initially 10 Medical Representatives. A high basic salary will be paid and early promotion to senior management is a genuine prospect. No information will be passed to our clients without approval after interview. Please send tabulated particulars marked "A21" to us at Victoria House, Southampton Row, London, W.C.1. C 9073

THE BRITISH DRUG HOUSES**LIMITED**

require an

EXPORT EXECUTIVE

Applications are invited from **PHARMACISTS** with Overseas experience preferably in a Commonwealth market and with a sound commercial background. The position entails responsibility for Commonwealth markets and offers opportunities for advancement. There is a superannuation fund (contributory) and the Company operates life assurance and profit-sharing schemes.

Apply in writing giving details of age, qualifications and experience to:

The Personnel Manager (Ref. FWG),

The British Drug Houses, Ltd.,

Graham Street, London, N.1

C 9075

SHIPPING CLERK REQUIRED. Knowledge Customs drawback an advantage. Canteen facilities. Contributory pension. Five-day week. Apply, Secretary, William Ransom & Son, Ltd., Hitchin. C 9062

TABLET COATER required by small pharmaceutical firm in Yorkshire. Details to Box C 9069.

AGENTS WANTED

AGENT REQUIRED on commission basis for the Counties of Kent, Surrey and Sussex, to take over existing agencies and appoint new ones for the sale of seeds and fertilisers for leading Midland horticultural house. Write giving details of area covered, other lines carried and experience to Box C 2103.
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