

The WIRELESS & GRAMOPHONE TRADER

Incorporating "The WIRELESS and ALLIED TRADES REVIEW" "The RADIO TRADE JOURNAL" and "The WIRELESS DEALER"

VOL. XXIII. (NEW SERIES) No. 307. July 5th, 1930. 8/- PER ANNUM, POST FREE. SINGLE COPIES 1/- EACH.

PERFORMANCE proves **it's SUPERIORITY**



SCREENED GRID PORTABLE

Demonstrate this unequalled portable with absolute confidence. It will prove the most attractive proposition you can handle. Offers an exceptional choice of programme. Easy to operate. Constructed and designed by Ormond—a proof of excellence in production and performance.

Cabinet or Suitcase Model, complete with all accessories, ready for immediate use - 16 Gns

The GRMOND ENGINEERING CO., LTD.
Ormond House, Rosebery Avenue, London, E.C.1
Phone: Clerkenwell 5334-5-6 & 0344-5-6
Grams: "Ormondengi, Smith."

16 GNS



THE POWERFUL COMPACT PORTABLE!

"Par Excellence"

now an Anglicized
expression meaning
"the best" such as
FOTOS Valves.

When a customer walks into your shop and asks for a low price valve that gives a high-class performance, you can sell him FOTOS with confidence. FOTOS—a valve of exceptionally high quality. Extremely economical. Built for long service. Excellent in any Radio Set. Stock and SELL FOTOS—the valve that is "par excellence."

5⁶



fotos
CONCERT VALVES
Trade Mark
THE HEART OF EVERY SET

CONCERTON RADIO & ELECTRICAL CO. LTD.
256/7, Bank Chambers, 329, High Holborn, London, W.C.1

Telephone: Holborn 8667



IMPORTANT ANNOUNCEMENT

Beethoven PORTABLES

The continued increasing demand for BEETHOVEN PORTABLES has necessitated our securing larger Manufacturing and Office accommodation.

New premises have therefore been taken at Camden Town where Works, Offices, Show-rooms and Service Department are now all under one roof at the address below.

During the course of removal, there has unfortunately been some delay in deliveries, but production is now being steadily increased and we hasten to assure our many friends in the trade that all orders are being dealt with as speedily as possible.

MONTAGUE RADIO INVENTIONS & DEVELOPMENT Co. LTD
BEETHOVEN WORKS
GT. COLLEGE ST., CAMDEN TOWN, LONDON, N.W.1

LISTENING AT LESS COST



Now that valves take so much less current, batteries are called on to last much longer on one charge than they used to do. With these changed conditions recommend low tension batteries that will give slow discharges for long periods without harm. There are Exide Batteries that will do it—the "D" series. With one of these batteries listening costs less—less in money—less in trouble.

Exide

THE LONG LIFE BATTERY

"D" SERIES
For Low Tension
Prices per 2 volt cell

Type DTG	
20 amp. hrs.	4/6
Type DFG	
45 amp. hrs.	8/6
Type DMG	
70 amp. hrs.	11/-
Type DHG	
100 amp. hrs.	14/6

Obtainable from Exide Service Stations or your factor. Exide Service Stations give service on every make of battery Exide Batteries, Clifton Junction, near Manchester. Branches at London, Manchester, Birmingham, Bristol and Glasgow

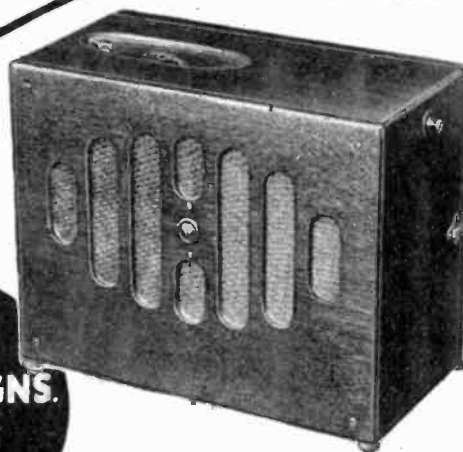
K. .6

THERE IS STILL BIG MONEY IN RADIO

LOWER PRICES
QUICKER SALES
BIGGER PROFITS!

"NATIONAL"

5-VALVE
PORTABLE

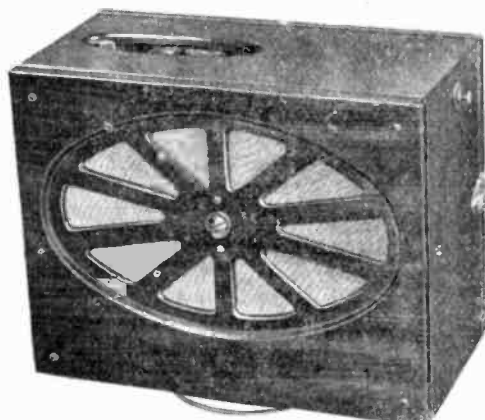


*The Quality Pair
set the highest
standard in
radio*

12 GNS.
OAK

"SYMPHONY"

5-VALVE
PORTABLE



13 GNS.
MAHOGANY

**THE RIGHT SETS
AT THE RIGHT PRICES
BACKED BY THE RIGHT
SALES AND SERVICE
ORGANISATION**

THE sensational reduction in prices is bringing big business to stockists. Get your share. We will back you by thorough expert service and if you wish supply you free of charge with suitable blocks for your catalogue or press advertisements.

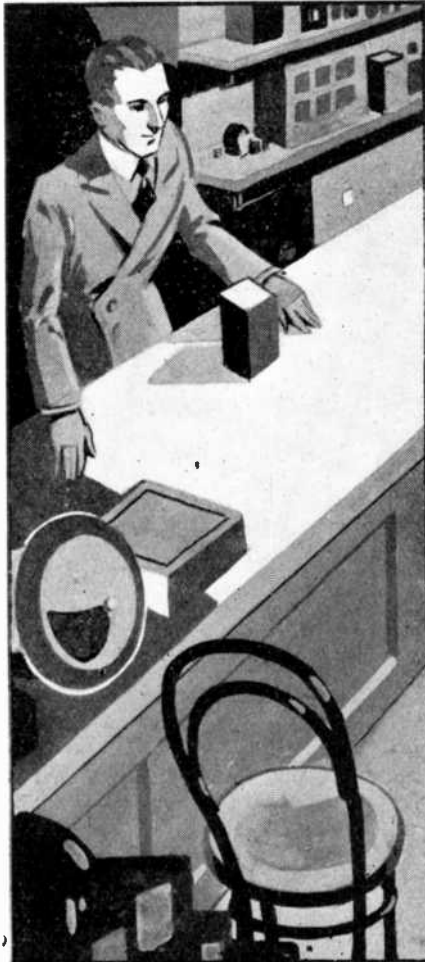
WRITE TO-DAY for full particulars of generous trade terms, services, etc.

The BRITISH RADIOPHONE LTD.

ALDWYCH HOUSE — ALDWYCH — LONDON — W.C.2

Telephone: Holborn 6744.

Everything for the Wireless Retailer by this Service



Our service with eight great centres in the country has supplied the Retailer for the last fifteen years with all his needs. As wholesale suppliers, we have a duty to the retailer. And that is—to supply his every wireless need at lightning speed. You can rely on Electric Lamp Factors. Our stocks are complete and our staff is competent. It is the kind of service you need. Get to know how we can help you. Write for full particulars. Or, better still, let one of our representatives call and tell you all you want to know. A post-card will do.

SPECIALITIES

Receiving Sets, Loud Speakers, Batteries, Elimimators, Valves all makes.

E.L.F. SERVICE

ELECTRIC LAMP FACTORS LTD.

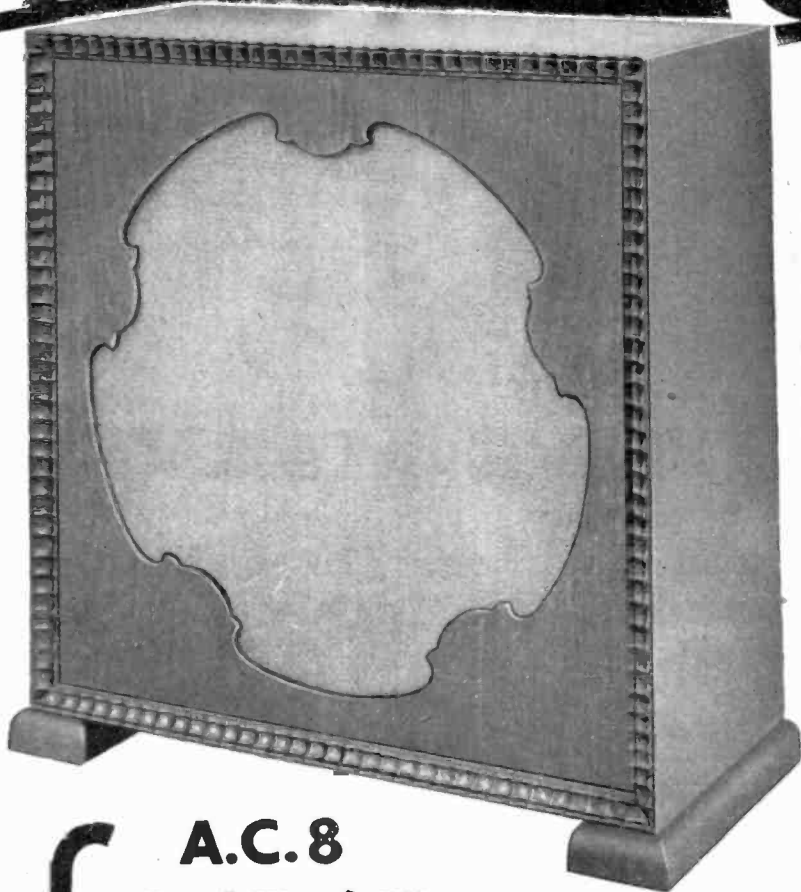
"Everything Electrical to Factor and Trade"

Wholesale Distributors for
E.L.M.A. LAMPS
and
B.V.A. VALVES.

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PORTSMOUTH: 47, Crasswell St., Portsmouth 2031
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WIRELESS NEEDS AT LIGHTNING SPEEDS!

the AMPLION TWO GUINEA CONE



A.C. 8
£2/2/0

There is a definite reason why the Two-guinea Cone, the latest addition to Amplion's famous range of speakers, has brought new business to so many members of the trade. The public have long wanted a low priced speaker possessing good sensitivity and realistic reproduction, yet housed in a pleasing cabinet. The A.C.8 supplies this market. Even with that, Amplion were not satisfied; they have seen to it that its price is within the means of everyone. Don't disappoint your customers. Order now for immediate delivery of the Two-guinea Cone.

GRAHAM AMPLION LTD., Sales Offices and Demonstration Rooms, 26, SAVILE ROW, W.1.

Works: SLOUGH.

“ **THE** ”

SERVIS

BRITISH MADE

**Table Model
“Straight
Three”**



**Remarkable
Efficiency &
Selectivity**

A COMPETITIVE MARVEL

comprising

**Self-contained Loud Speaker, Three Valves,
Batteries and Accumulator, highly finished
polished case**

PRICE £5-12-6 COMPLETE

(ROYALTIES FREE)

Subject to Liberal Trade Discounts

A SAMPLE SET IS AT YOUR DISPOSAL

Guaranteed 12 Months — Free Service

CAN BE SUPPLIED ENGRAVED WITH YOUR OWN TRADE NAME

*Ask for our illustrated Catalogue of Suitcase Portables, Screened Grid Portables,
Transportables, Table Models, All-Mains Receivers and Radio-Gramophones*

HARRIS, WILLIAMS (Mftrs.) LTD.

Telephone:
National 5594

5 NEW ZEALAND AVENUE, BARBICAN, LONDON, E.C.1

Telegrams:
Elegaslite, London

The Radio you've waited for

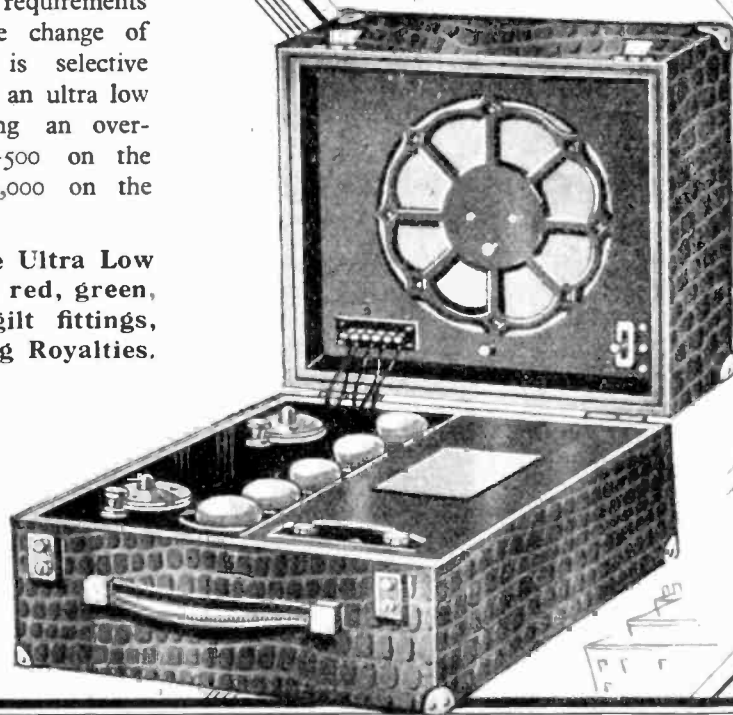
The new
**PICNIC
 FIVE VALVE
 PORTABLE**

The Edison Bell new Picnic Five is the same size as the previous model, but designed to meet the requirements occasioned by the change of wavelengths. It is selective and is fitted with an ultra low wave switch, giving an overall range of 190-500 on the Low and 1,000-2,000 on the High.

The Set with the Ultra Low Wave Switch, in red, green, and blue, all gilt fittings, £17 17s. including Royalties.

A waterproof cover to protect the set when travelling can be supplied for 10/6 extra.

Send for
 Special Folder.



EDISON BELL
BRAND

Summer Boom ANNOUNCEMENT

An all - the - year - round Set

THE NEW AND IMPROVED "AEONIC" 1930 STANDARD SUITCASE 5 - VALVE PORTABLE

FOR MAINS OR BATTERY POWER.

IN REAL HIDE CASE.

This dual purpose set—perfect in every way and sold at a price within the reach of all—will help you to overcome the summer-time wireless slump. It is a set which, while a portable, is really more than a portable. It is suitable for the outdoors in summer, affording wonderfully clear reception; then when the cold weather arrives, this set, by merely bringing the Mains Unit into operation, is instantly converted into a wireless set possessing all the attributes of a fine cabinet model—beautiful, powerful, yet unobtrusive. Thousands of your customers must need a set such as this.



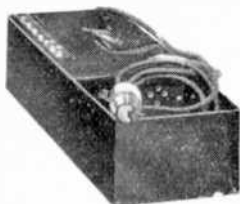
COMPLETE WITH
BATTERIES FOR
OUTDOOR PORTABILITY

£16-16-0

COMPLETE WITH
MAINS ATTACHMENT FOR
INDOOR OR WINTER USE

22 Gns.

The set priced at 22 guineas includes both the Batteries and the Mains Unit which incorporates the H.T. and G.B. batteries and L.T. charger.



**INCREASE IN
TRADE PROFITS**
from 30% to 37½%

This important concession should do much to encourage Wireless Traders to push the sales of Aeonic Wireless Sets and thereby help to overcome the wireless slump hitherto inseparable from the summer months.

Aeonic Portable
5 Power Unit
fits into Battery
Compartment.

AEONIC

Wide range of
programmes
— and every
station.

AEONIC RADIO LTD., AEONIC WORKS, HORLEY, SURREY.

Telephone :
HORLEY 400

SWITCHGEAR AND RADIO MANUFACTURERS

Telegrams :
AMMETER, HORLEY

THE PORTABLE OF THE SEASON

The *NEW*

Geisha

No. 3.

OUTSTANDING IN:—
TONE
VOLUME
APPEARANCE
NEW IDEAS.

CABINET IN BLUE OR BLACK WITH
GILT EDGING IN EACH CASE.

PATENT STARTING AND
STOPPING MOVEMENT.

CARRIES EIGHT 10" RE-
CORDS IN DETACHABLE
ALBUM.

PATENT SELF-CLOSING
NEEDLE CUP.



RETAIL PRICE

£3/10/-

Subject to usual Trade Discount.

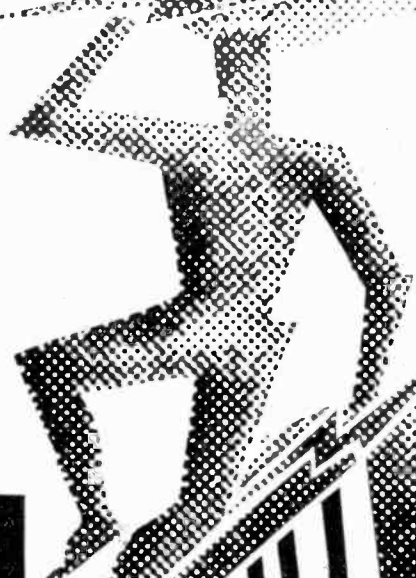
Measurements—
HEIGHT 7 ins.
LENGTH 16½ ins.
WIDTH 12 ins.

**THERE'S BIG BUSINESS IN THE "GEISHA." A SAMPLE WILL CONVINCING YOU.
SEND YOUR ORDER NOW.**

Manufacturers—C. GILBERT & Co. Ltd., Arundel St., Sheffield, and at South St., Hull.



USE NATIONAL ACCUMULATORS



ASHLEY

Bold striking advertisements like this are already telling the whole country the news of National Accumulators.

AND I WILL DO STILL MORE FOR YOU!

I am the crackle of thunder. I am the power that moves the world. There is no limit to what I will do for you. But what I can do for you — depends on you. Use National Accumulators — and I will give you still better wireless, still brighter lights on your car, still quicker starting. Famous British firms have joined all their resources to make these wonderful accumulators. Never before have I had such a chance to show you what I can do. Look for the name "National" on the next accumulator you buy. I am electricity — and I ought to know.

NATIONAL ACCUMULATOR CO LTD / AMALGAMATING PETO & RADFORD and HART ACCUMULATOR CO LTD
93 GREAT PORTLAND STREET LONDON W 1 1051. 馬

EVERYTHING



ELECTRICAL

GREAT EAST-TO-WEST TRANSATLANTIC FLIGHT

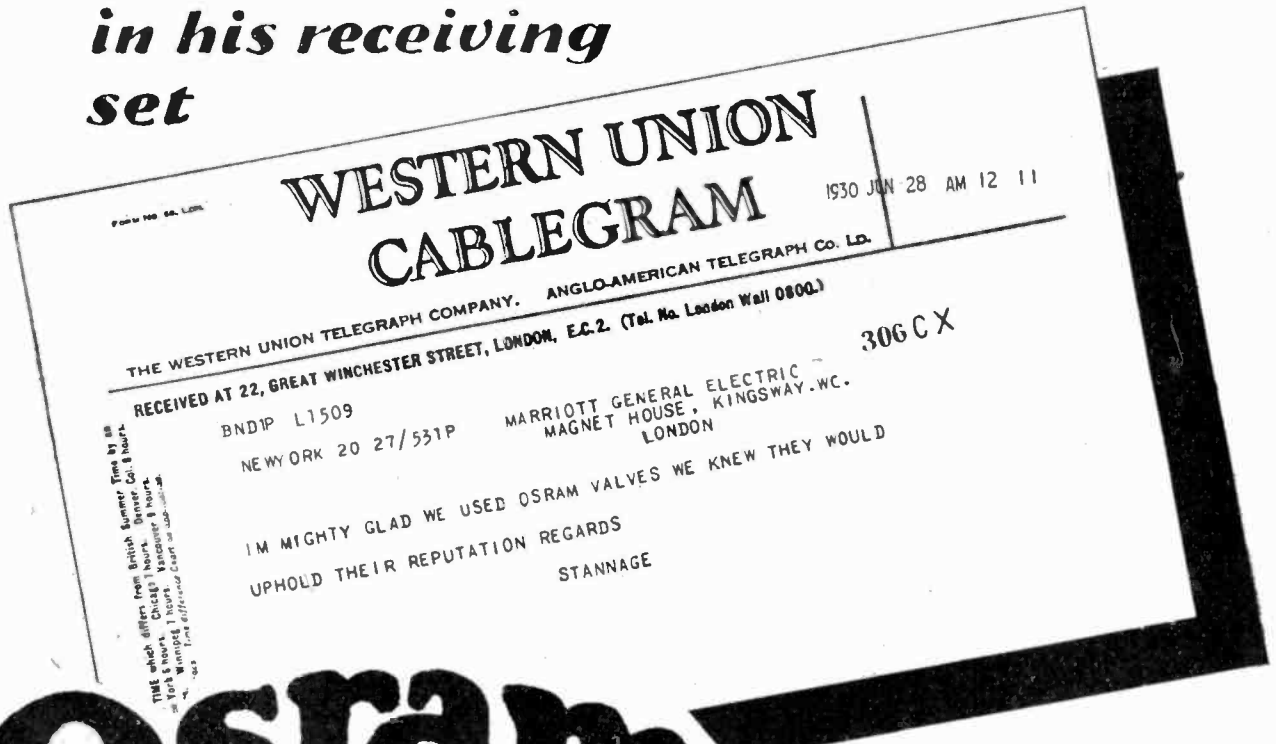
Capt.

KINGSFORD SMITH

used standard 2-volt

OSRAM VALVES

in his receiving set



Osram Valves

MADE IN ENGLAND

Cable just received from "SOUTHERN CROSS" Wireless Operator M^r. JOHN W. STANNAGE

FOR DEPENDABLE SERVICE

points—

your customers consider in battery purchase

CONSTANT VOLTAGE LEVEL
UNFAILING SERVICE
GUARANTEED SATISFACTION

POWERFUL
STRONG



WINNER SERIES

60 volts	- -	6/6
66 "	- -	7/-
99 "	- -	10/9
120 "	- -	13/-

The Ever Ready Co. (G.B.) Ltd
 Hercules Place, Holloway,
 N.7



PROFITABLE REPLACEMENTS

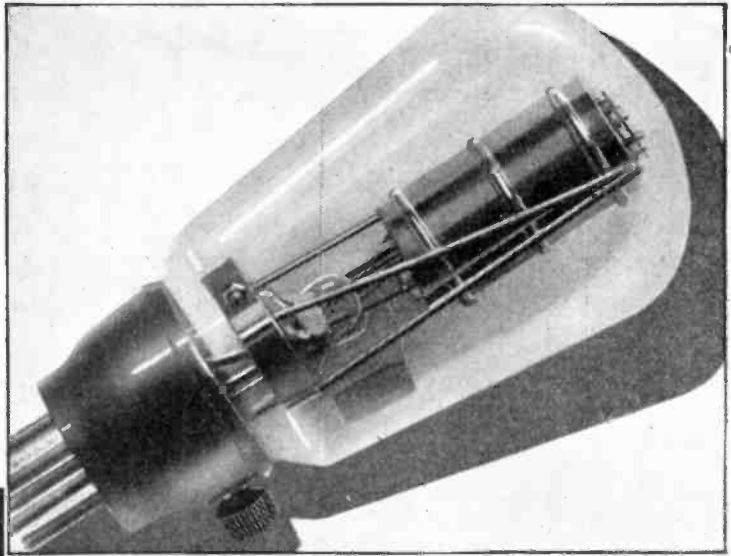
There is a constant and ever growing demand for reliable rectifying valves. Are you getting your share of this market or are you unable to meet the demand? Stock Philips Rectifying Valves, they are suitable for every type of all-electric receiver, H.T. Unit, amplifier, transmitter and wherever D.C. is required from A.C. There are also over fifty types for special purposes.

Type 1821 (illustrated) is a new full wave rectifier with a max. anode voltage of 250 and an output of 60 m/A. The filament takes a current of one amp. at 4 volts. **Price 17/6**

PHILIPS RECTIFYING VALVES

Made by the manufacturers of the famous Philips Argenta electric lamps, commercial & industrial fittings, all-electric radio receivers & neon signs.

**The first...
INDIRECTLY
HEATED
PENTODE**



**EDISWAN
LEADS
AGAIN
WITH THE
MAZDA
AC/PEN**

THIS new power output valve marks an important step in the history of Radio. The indirectly heated Cathode absolutely prevents hum, and the AC/Pen is the most sensitive pentode in existence.

With a grid swing of only ten volts it will give wonderful results when used with a good cone speaker, and is ideal for operating a moving coil speaker such as the R.K.

PRICE 30/-

Stocks now available

The Amazing
**MAZDA
RADIO
VALVES**

CHARACTERISTICS

Filament volts	...	...	...	4.0
Filament amps (approx.)	...	...	...	1.0
Anode volts (max.)	...	...	...	250
Auxiliary Grid Volts (max.)	...	...	...	200
Mutual A.C. conductance (mA/V)	...	...	...	2.2



THE EDISON SWAN ELECTRIC CO., LTD.
Radio Division.
1a Newman Street, Oxford Street, W.1
Showrooms in all the Principal Towns

V.56

"GOLTONE" PATENT "NO-MAST" AERIAL

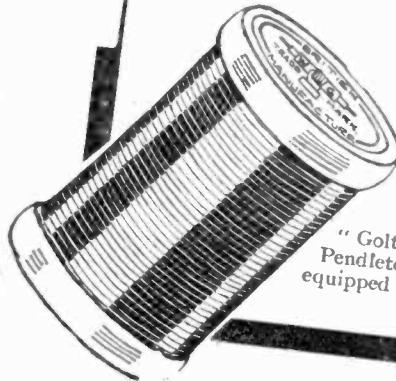
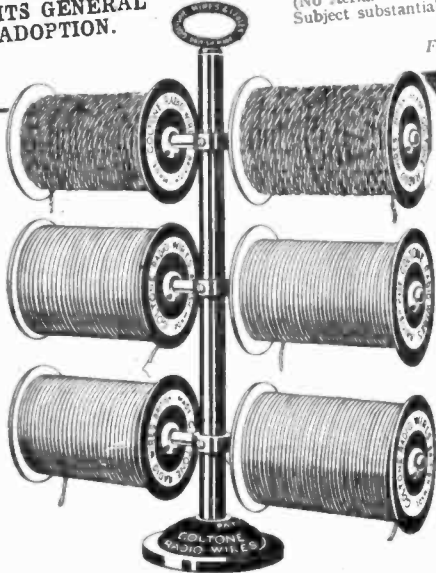
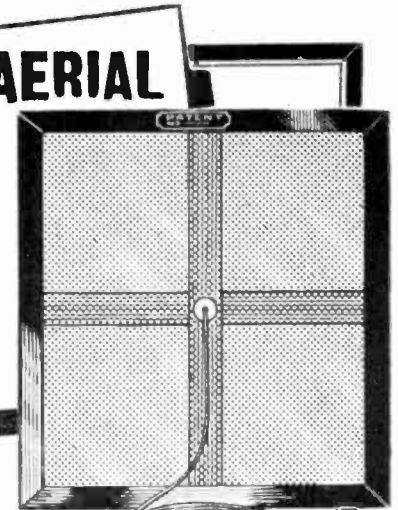
COMPELS THE SET TO GIVE BETTER RESULTS

Unaffected by Gales, Hurricanes or Tempests.
Fitted at one-third the cost of the less efficient and old-fashioned Pole or Mast Aerial.
Provides the Selectivity so necessary to ensure loud and clear reception under modern broadcasting conditions.

THIS IS A GREAT BIG SALES LINE AND ITS MANIFEST ADVANTAGES OVER THE OLD-FASHIONED & INEFFICIENT MAST OR POLE AERIAL WILL ENSURE ITS GENERAL ADOPTION.

Price complete with down lead.....R48/22.....**24/-**
(No Aerial Wire required other than downlead supplied).
Subject substantial discount.

Full particulars with extracts from Testimonials on request.



REPLENISH YOUR STOCKS OF RADIO WIRES.

Red and Black Flexible Lead-in and Aerial Wires, Silk and Cotton Covered Instrument Wires.
"Goltone" Radio Wires manufactured at Pendleton, Manchester, in one of the best equipped works in Europe.

HAVE YOU HAD YOUR FREE DISPLAY STAND FOR RADIO WIRES?

Every Radio Dealer should write for particulars and conditions of the FREE RADIO Wire Sales Display Stand. This useful stand will be found a positive boon to the Radio Dealer who desires to have a quick and labour-saving device to give prompt attention to counter calls for various classes of RADIO WIRES. Built of seamless steel tube, the stand is practically indestructible.

All first-class recognised factors can supply.
BUY "GOLTONE" BRITISH-MADE RADIO WIRE.



TWIN FLAT EXTENSION FLEXIBLE CORD FOR LOUD SPEAKERS

ATTRACTIVELY BOXED

Per Drum of 25 Yards: R36/FM ... 4/- (subject)
Per Drum of 100 yards: ... 15/6 (subject)

INDISPENSO CHARGER

STANDARD MODEL (For D.C. Circuits only)
With Polarity Indicator. Unsurpassed as a charger for both H.T. and L.T. accumulators.

Thousands in use.
No. R 3/4. Price complete 6/- (subject).

"INDISPENSO" CAR RADIO ACCUMULATOR CHARGER.

Enables charging of radio accumulator from the car lighting circuit.
Price 9/- (subject).
Full particulars on request.



For complete range of Chargers, including those for use on A.C. Mains, see Radio Catalogue R/123.

LONDON DEPOT:
5 & 6, Eden Street,
Hampstead Road, N.W.1

Ward & Goldstone
PENDLETON. MANCHESTER

LEEDS DEPOT:
Upton's Yard,
49a, Briggate.

GLASGOW DEPOT: BALTIC CHAMBERS, 50 WELLINGTON STREET.

6 times as easy to sell GOODSON WHITE DANCE RECORDS

Do you realise that your customers can carry 60 Goodson Records instead of 10 ordinary records in their Portable this Summer? Well, they can! So sell them 60 instead of 10! Goodsons cost practically half the price!

These great advantages, together with widespread Goodson Advertising, make Goodson Records six times as easy to sell as most other records. Goodson Records are unbreakable, pliable and featherweight. Tell your customers these great facts—let them hear Goodson Records and they will buy them!

SEND NOW for free display material for GOODSON RECORDS and ask for the current monthly list to put in your window.

RETAIL

1/9

TEN INCH

DOUBLE SIDED

Manufactured by
GOODSON GRAMOPHONE RECORD
CO., LTD
12, Old Burlington Street, London W.1.
Telephone — Gerrard 1452-1453. Regent 4685

BIG HITS FOR JULY

I never dreamt you'd fall in love with me.

Why?

It happened in Monterey. The Free and Easy.

Telling it to the Daisies.

Blue is the Night. Romance.

When it's Springtime in the Rockies.

Let me sing and I'm happy.

Blue Danube Waltz.

William Tell Overture.

Song of the Dawn.



C.P.H
18

REGISTERED

STALLOY

BRAND

TRANSFORMER LAMINATIONS of every description.



DIAPHRAGMS, CONE UNIT REEDS:

JOSEPH SANKEY & SONS L^{TD}.

Works: Bilston.

London Office: 168, Regent St., W. 1.

ONLY
8
GNS. ALL IN
GUARANTEED
FOR 12
MONTHS

LIBERAL TRADE
TERMS.



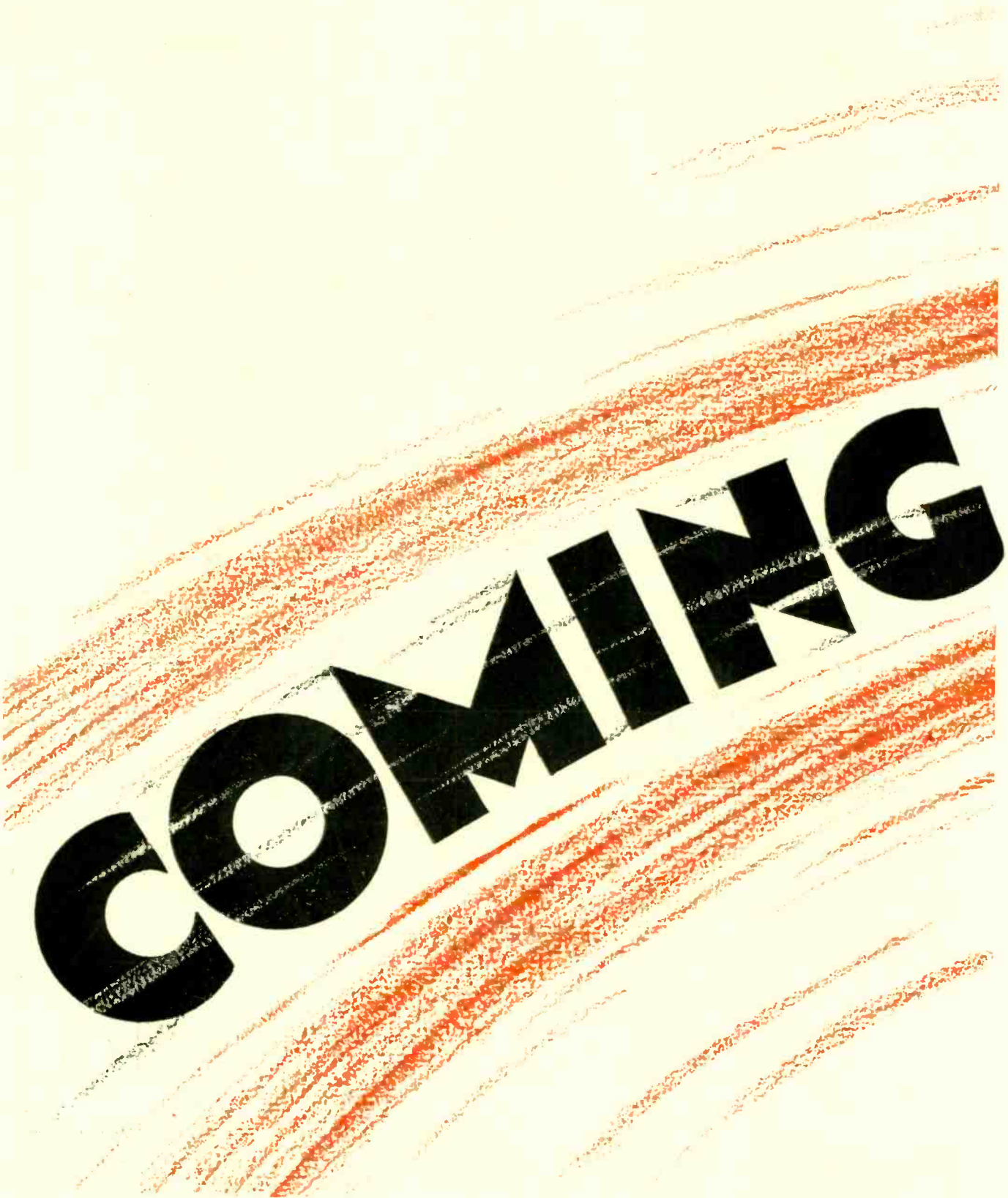
DETTEX

PORTABLE RADIO

OFFICE & WORKS : 161, VAUXHALL BRIDGE ROAD, S.W.1

Phone : Victoria 1303 (6 lines).

Telegrams : "Detexacrys, Churton, London."





BIG
TRANSFORMERS WITH
ENORMOUS AMPLIFICATION

IT'S THE

TELSEN
NEW RATIO
TRANSFORMER

BIG SALES
BIG PROFITS
 for you
BIG VALUE
 for your customer



A Transformer that has aroused the interest of every Radio enthusiast. Everywhere old transformers are being replaced with this new big ratio model. It is equal to another valve stage in many wireless receivers.

GET YOUR STOCKS IN!

The demand for this model has already exceeded our anticipations. Everywhere Traders are finding eager and ready buyers.

"RADIOGRAND" NEW 17/6
RATIO 7-1

Advf. of **TELSEN ELECTRIC CO., LTD. BIRMINGHAM.**



Highest in public esteem

On the ground—in the air—on the river—in the home, the McMichael Super Range Portable Four proves worthy of its wide popularity. The paramount portable—far above all others in the reception and wide range of programmes given.

The McMICHAEL 1930 SUPER RANGE FOUR (TABLE MODEL)

The ideal receiver for the home where an outdoor aerial and earth are not convenient or desirable. Comprising the same principal features as the Portable Model, but fitted in a handsome Walnut Cabinet and mounted on a turntable. The whole set is completely self-contained with frame aerial and Loud-speaker ready for immediate use. If desired, an additional aerial and earth may be used, thus increasing the normal and truly remarkable range.

RETAIL PRICE **26 GNS.**

(Complete with all equipment, and Royalties included.)



- Screened Grid Amplification.
- Single Dial Control.
- Easy Control of Volume.
- Lowest Possible Upkeep Cost.

- Superlative Tonal Quality.
- Wide Range. High Selectivity.
- Fitted in handsome Suitcase with patent locking clips.

The McMICHAEL 1930 SUPER RANGE PORTABLE FOUR

Owing to the high degree of selectivity in this, and our other Screened Grid Portable Receivers, we are able to guarantee complete selectivity between all main B.B.C. Stations under the new scheme of wavelengths, as proved by an actual test under the twin aerials at Brookman's Park, when both programmes were received separately without interference, and in addition a number of other British and foreign stations.

This test was made on a standard "Super Range Four" receiver, under an independent Press observer, and was repeated at half-mile intervals with similar results.

Sell more McMICHAEL Receivers by means of our special deferred payments on the Hire Purchase System. If you are not already stocking and demonstrating this popular Portable, write us or your Factors for terms, Showcards and attractive leaflets. The Receiver will prove a revelation to you.



RETAIL PRICE **22 GNS.**

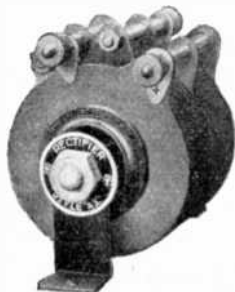
(Including all Equipment and Royalties)

L.M. MICHAEL LTD

Manufacturers of Wireless and Scientific Apparatus
WEXHAM ROAD, SLOUGH, BUCKS.
Telephone: Slough 441-442. Telegrams: Radiether, Slough
London Showrooms: 179 STRAND, W.C.2 (Tel.: Holborn 2466)

WESTINGHOUSE RECTIFIERS FOR LOW TENSION MAINS UNITS

9 volts 1 amp.



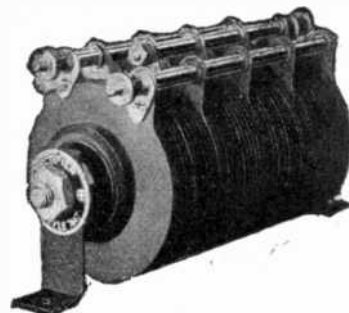
Type A.3. 23/6



METAL RECTIFIERS

represent the most convenient and satisfactory means yet devised for obtaining direct current from an A.C. Supply, and are used in large quantities on account of their reliability, durability and efficient performance by the leading manufacturers.

9 volts 2 amps.



Type A.4. 39/6

SUPPLIES of our booklet "The All-Metal Way—1930" are available to all dealers for distribution to their customers. In this 32-page book are given suitable circuits, lists of recommended components, and complete and valuable information and instructions for the calculation, design and construction of every type of mains unit.

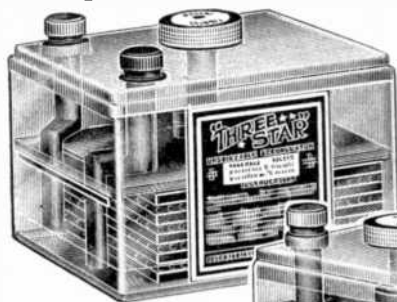
THE WESTINGHOUSE BRAKE & SAXBY SIGNAL COMPANY, LTD.
82 York Road, King's Cross, London, N.1

Telephone: North 2415-6-7-8.

THIS SUMMER CUSTOMERS WILL ASK FOR



PORTABLE ACCUMULATORS



TYPE T.F.S.2.
Capacity 24 Amp.
Hours. Price 16/6

The popularity of Portable Sets will ensure a steady demand for replacement Accumulators—recommend "THREE STAR," the best of all; free acid type and absolutely unspillable. Standard on the best sets.

Write for detailed list to:—

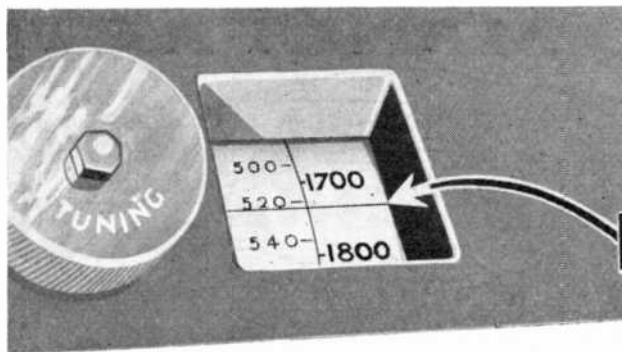
THREE STAR ACCUMULATORS LTD.
Rosebery Avenue, Tottenham, N. 17

TYPE S.Y.6.
Capacity 24
Amp. Hours.
Price 14/6



UNSPILLABLE ACCUMULATORS

MAKING WIRELESS SIMPLE



THE NEW MURPHY RADIO PORTABLE.



See

the wavelengths on the dial.

4-VALVE SCREENED GRID RECEIVER.

SINGLE TUNING CONTROL—COMPLETELY GANGED CIRCUITS CALIBRATED IN WAVELENGTHS.

Fitted in Walnut Cabinet; weight 32 lbs. 2-volt 23 A.H. unspillable Accumulator, mounted on acid-proof rack. 108-volt H.T. Battery 12 m a rating. Average H.T. consumption 8-9 m/a. Gramophone Jack.

External Loudspeaker Jack. External Aerial and Earth sockets. Excellent loudspeaker reproduction, giving very enjoyable music and particularly clear speech. Range and selectivity equal to, if not better than, any other portable set on the market.

PRICE **17**

GUINEAS

including valves, batteries, turntable and Royalties.

MURPHY RADIO LTD

WELWYN GARDEN CITY, HERTS



MURPHY Radio Receivers are the only sets with single control ganged circuits calibrated in wavelengths.

This is one of the features we decided must be incorporated in all our sets, in order to make wireless reception absolutely simple.

We have considered every point, big and small, which is likely to influence the Public in buying a set.

And as we shall be sending them along to you for their sets, it will pay you to send the coupon to us for full particulars.

Frank Murphy

B.Sc., A.M.I.E.E., A.I. Rad. E.,
Chartered Elect. Engineer.

COUPON

Murphy Radio, Ltd., Welwyn Garden City, Herts

MURPHY RADIO PORTABLE

Please send Particulars and Trade Terms.
Please send a Representative.

NAME.....
ADDRESS.....

Cross out line which does not apply. W.T. July 5

M.C. 105

Good business in bad times

IN EVERY TRADE to-day there is a determined effort to achieve more sales. That way and that way only leads to prosperity.

The Gramophone Trade is no exception. Its difficulties are real. But they can be surmounted. Many Retailers of Records have shown increases during the last six months. What they have done others can do.

The Decca Record Company have played a big part in the past months. Their programme for the coming season cannot but stimulate further business. Never before have such delightful recordings been offered at so low a price. Still more first-class

artistes have been engaged; the whole world of music has been explored for inspiration; recordings are being continually improved.

This young and vigorous organisation is out to help the retailer. Consistent advertising is keeping its name before the public.

**MAKE THE UTMOST USE OF ITS SERVICES
AND YOU CANNOT HELP BUT SELL MORE**

DECCA

SUPREME RECORDS

THE DECCA RECORD CO., LTD., 1-3, BRIXTON ROAD, LONDON, S.W.9

Efescaphone REGIONAL PORTABLE 3 VALVE

This set has been specially designed for receiving the dual programmes from the Brookman's Park Station. It will separate the Regional from the National wavelength clear of interference, as close as one mile, and gives good loud-speaker strength within a radius of approximately 40 miles.

It serves a large population, and offers, therefore, a rich potential market to the enterprising dealer.

Its price—£12 15s. complete—is within the reach of households of quite modest means, while H.P. facilities are available, if required.

Only three Valves are employed, and Battery consumption and cost of upkeep generally is therefore much more economical than the average Portable Set.

The Efescaphone Regional Three is entirely self-contained and requires neither an Indoor nor Outdoor Aerial.

Price £12.15.0

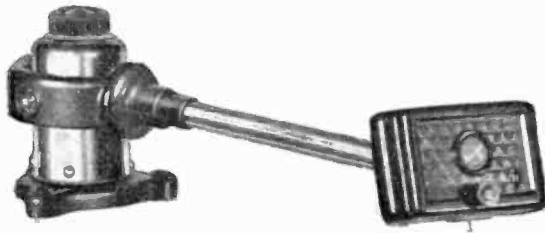
H.P. terms £1 down and 12
monthly payments of £1.0.7



FALK · STADELMANN & CO. LTD.
83 · 93, FARRINGTON ROAD, LONDON, E.C. 1



BLUE SPOT'S LATEST SUCCESSSES

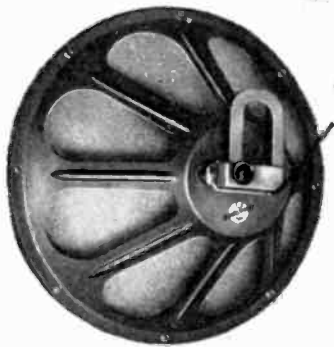


First, the new Blue Spot Pick-up **No. 88**. This is the pick-up that startled the experts by creating a new standard of reproduction. Until you have heard 88 you have not really heard recorded music.

Price £3-3-0

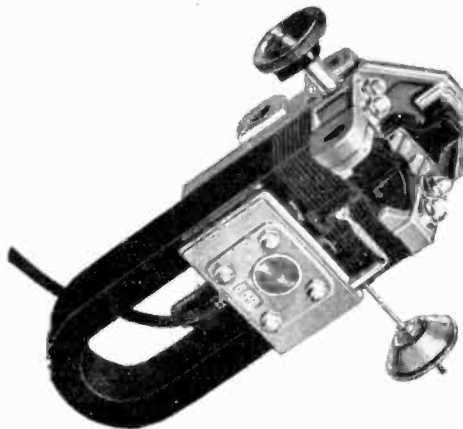
Lastly, the Major Chassis for use with the new speaker units. No other chassis can be "just as good" because the Blue Spot Major was designed specifically for the Blue Spot Units.

Price 15/-



Secondly, the new Blue Spot Unit **66P**, a development of the famous 66K unit. A new and patented drive and an improved adjusting device are incorporated. The unit is more sensitive and will reproduce a much longer range of audio frequencies; the bass register is reproduced to full dimensions without reducing the power or brilliance of the upper register.

Price 27/6



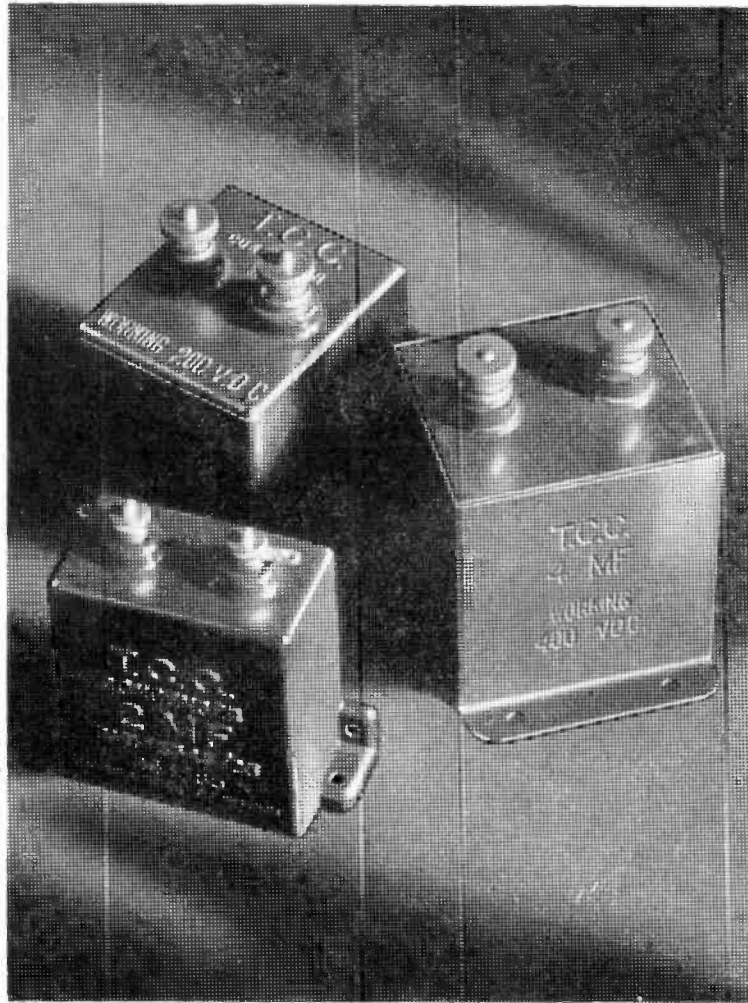
Thirdly, the Blue Spot Unit **66R**—the Blue Spot Masterpiece. This is the finest unit that has yet been offered to the public; it will handle tremendous volume, and it is a magnificent reproducer. So true and faithful is the reproduction that the only suitable standard of comparison is with the actual transmission.

Price 35/-

F. A. HUGHES & CO., LIMITED, 204-6 Gt. Portland Street, London, W.1.

Telephone: Museum 8630 (4 lines)

Distributors for Northern England, Scotland and North Wales:—H. C. Rawson (Sheffield and London), Ltd., 100 London Road, Sheffield (Telephone: Sheffield 26006); 22 St. Mary's Parsonage, Manchester (Telephone: Manchester City 3329).



Tried and found . . . dependable

Above is illustrated three condensers from the famous T.C.C. range . . .

2 M.F. 200v. D.C. working . . . 3/10
4 M.F. 400v. D.C. working . . . 8/6
4 M.F. 200v. D.C. working . . . 6/3

There is one certain way of making sure of quality before you buy—stock T.C.C. "the condenser in the green case." It is a condenser of proved merit—of absolute reliability, made by the Telegraph Condenser Co., who have been making condensers—solely condensers for over a quarter of a century. Sell T.C.C. and keep your customers satisfied.

TCC
CONDENSERS

ADVERTISEMENT OF THE TELEGRAPH CONDENSER
CO., LTD., WALES FARM ROAD, N. ACTON



The WIRELESS & GRAMOPHONE TRADER

VOL. XXIII.

[NEW SERIES.] No. 307.

SATURDAY,

JULY 5TH, 1930.

The only weekly Trade Journal circulating to Bona-Fide Wireless & Gramophone Traders.

EDITORIAL VIEWS.

The R.M.A. Stop List.

BY the institution of a "Stop List" the R.M.A. has given practical evidence of its serious resolve to protect the trader who adheres to his contract with the manufacturers by refusing to sell at less than list price. In welcoming the scheme we are not overlooking the fact that, even with the best will in the world, it cannot be wholly effective in combating the greatest evil of the present time in the radio trade—namely, price-cutting. But we do recognise its value in augmenting the efforts already being made in other directions by firms who have instituted price maintenance schemes on their own account, but who do not figure as yet in the R.M.A. list.

In particular, the manufacturer-operated "stop list," especially when controlled by the manufacturers' own association, does show quite clearly which makers have a definite and practical interest in seeing their list prices respected throughout the trade. The R.M.A. scheme has called for the *voluntary* registration by member-firms of the prices which they desire to have protected. That is an expression of policy which cannot later be denied, and to which the afflicted dealer can hold the maker concerned.

In the past, dealers have had grounds for the belief that too many manufacturers were careless of the way in which their goods were sold—so long as they *were* sold; now, on the contrary, they have the names of close upon a hundred firms, numbering practically all the leading concerns in the industry, who have definitely indicated their desire to see their goods handled in a proper way, and on terms which will yield full profit to the retail distributors.

This at once offers a valuable measure of encouragement to the price-maintaining trader, who is suffering so much from unfair competition.

American Radio Design.

ELSEWHERE in this issue our American correspondent gives an account of the trend in American radio design and production as evidenced by the exhibits at the fourth annual R.M.A. Trade Show, held recently at Atlantic City, N.J. On the whole, it reveals no outstanding changes in so far as new principles of reception are concerned, but there are certain definite tendencies towards modification in design, some of which have already been evident in Great Britain for the last year or so. Others we may reasonably expect to see reflected in our own set designs very soon.

It is, however, interesting to note that just over fifty per cent. of the total number of set manufacturers in America were represented, including practically

all the firms of standing. The exhibits, therefore, were truly representative of modern American practice.

The large console receiver, completely mains-operated, continues to be the most popular type, and the report shows that the table cabinet receiver, with or without a built-in speaker, has practically disappeared. There is, however, a tendency for the introduction of what is known as the "midget" receiver, corresponding roughly to the British all-mains "transportable." One or two all-mains portables were also to be seen, this type of set being a new departure in America, although well known in our own country.

The "automobile receiver," which can be built into cars, is likely to have a big sale in America, where cars are owned by a large percentage of the population. With the increase in the number of cars in Great Britain, we might reasonably expect something on similar lines, though we are already well catered for in this respect by the British portable and transportable receivers.

Radio-gramophones, apparently, have only recently become popular in America, while the inclusion of a pick-up jack in ordinary American receivers is also mentioned as a new departure.

In tone control and remote control we see devices which, though at present little known in this country, may well be expected to figure shortly in British practice.

The American designer this year has concentrated on screen grid H.F. amplification, which, at first rather slow in making progress, has now been adopted very widely. Power detection (a modified form of anode bend detection, as we know it) is now popular, while push-pull L.F. amplification, particularly in the last stage, is employed almost exclusively.

A curious feature of the American market is that there are very few cabinet speakers for use externally to a receiver.

As was expected, the moving-coil or "dynamic" speaker is now used almost to the entire exclusion of other types.

Very little progress appears to have been made in the efficiency of American valves, which, type for type, fall short of British valves in characteristics.

Another feature of the exhibition was the almost entire absence of components and accessories for retail sale. Although British component sales on the whole are falling, we have by no means reached the stage where complete receivers and replacement valves are almost exclusively in demand. It will be interesting to see how the exhibits at the forthcoming Olympia show compare with those at Atlantic City.

8th Year of Publication.

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Published Every Saturday.

Radio and an Epic Flight.

BRITISH APPARATUS USED ON "SOUTHERN CROSS."

BUT for the satisfactory operation of its radio equipment the monoplane *Southern Cross* would assuredly never have reached Newfoundland on what was the second East to West aeroplane crossing of the Atlantic. Sqdn. Leader Kingsford Smith had nothing but praise for the installation, upon the efficiency of which hung the lives of all four flyers. It is gratifying to note, too, that although the aeroplane itself is of foreign manufacture, its radio apparatus is British. Apart from the general utility of the radio equipment by informing the numerous watchers on 33 metres (the wavelength of the transmitter aboard the *Southern Cross*) of the safety of the machine, it would have been impossible successfully to have navigated a course through the fog off Newfoundland without the aid of D.F. bearings, given by various ships on the 600 metre signals from the plane's Marconi transmitter.

The receiving set installed on the *Southern Cross* was one specially made up for Captain Kingsford Smith prior to his flight from Australia as a result of co-operation between the General Electric Co., Ltd., and the New Systems Telephones Co., of Australia. It was re-conditioned by the G.E.C. Research Laboratories in preparation for the trans-Atlantic flight, and was equipped with standard "Osram" valves, i.e. S.215, H.L.210, and L.210, these valves being particularly specified by Kingsford Smith. "Gecophone" headphones were used, and the H.T. batteries were of the "Magnet" type. "Osram" lamps were also used for lighting the plane.

"Exide" accumulators were largely used as well, and "did their bit" towards making the flight a success.

Although it is impossible to enumerate the several occasions upon which VMZAB—the *Southern Cross*—was received during its flight, special praise is due to Mr. J. D. Dobie, of Wingrove & Rogers, Ltd., and Mr. A. W. Alliston, a member of the R.S.G.B., who copied messages from the aeroplane throughout. "Polar" condensers are incorporated in the 3-valve S.G. receiver used.

Incidentally, last week we reported that Mr. Dobie heard the "speech" distinctly. *Even Polar condensers cannot turn Morse into speech!*

Aluminium at Liege Exhibition.

An International Aluminium Pavilion is a feature of the Liege Exhibition this

year, we are informed by the British Aluminium Co., Ltd., Adelaide House, King William Street, London, E.C.4, who co-operated with other British and Continental aluminium firms in the arrangement and organisation of the pavilion.

Besides an exhibition of the wide number of uses to which the metal can be put, there is a fine display of aluminium sheets suitable for wireless set cases and other purposes.

Prizes at Trade Terms.

It has come to our notice that there is a growing tendency for radio manufacturers to be approached by promoters of competitions and prize schemes with requests to supply receivers or accessories as prizes, at trade terms. The prospect of publicity is generally held out as an inducement.

We learn that the Marconiphone Co., Ltd., were recently requested to supply a number of their portable receivers for this purpose, but that they quite rightly refused.

Though the actual volume of business lost to the trade in this way would probably be quite small at present, it is conceivable that this and similar schemes would grow in time. It therefore behoves manufacturers to take up a definite attitude right at the beginning, and to refuse to supply on trade terms on principle.

PYE INVADE BRIGHTON.

Cambridge Firm's Staff Outing.

In the words of the American newspaper, "An enjoyable time was had by all" on the occasion of the recent outing of Pye Radio, Ltd., to Brighton, "all" in this case being the 600 Pye employees who made the trip.

Starting from Cambridge at the unearthly hour of 3.45 a.m., the energetic six hundred duly reached Brighton, and sampled the attractions for which that resort is famous. Lunch was taken at the Regent Restaurant, as will be seen from our illustration. Sir Thomas Polson is in the chair, together with the directors, while the challenge cup presented by Sir Thomas to the Pye Sports Club for inter-building competition is reposing on the table. To-day, July 5th, is the Pye sports day, when ownership of the cup will be decided by athletic contest.

Included in our illustration is a reproduction of part of the programme, which, in keeping with the general proceedings, was decidedly in lighter vein, and, we think, can be termed quite a work of art.

Not until shortly after 1 a.m. the next morning did the Pye party arrive back again in Cambridge, greatly indebted to the company's Works Committee for a memorable outing.

EDISON BELL AT PLAY.

Opening of New Sports Ground.

A successful sports and gala day was held on Saturday last, June 28th, by the Edison Bell Social and Athletic Club to celebrate the opening of the new club ground at Grange Lane, Dulwich.

The event was favoured with brilliant weather, and an extensive programme of races and sporting events was arranged to occupy the afternoon, the prizes afterwards being presented by Mrs. Tom Hough.

A public address van equipped with Edison Bell apparatus was run on to the ground to provide music and announcements.

Morning Talks Suspended.

Traders who have been in the habit of using the morning broadcast talks, at 10.45 a.m., for test and demonstration purposes should note that these will be suspended during August.

Some Questions . . . !

Mr. H. M. Fitch, director of the Plymouth B.B.C. station, gave some amusing extracts from listeners' letters in an address to the Plymouth Rotary Club. One "technical" question read as follows: "I have rather an old set. It has four valves and places for three coils—one fixed on the left, two on top, and one which is movable. I have nine coils—500, 400, 250, 200, 150, 100, 50, 25, and a yellow one. Do I have to add the coils in order to get the wavelengths?"

"I have a gramophone pick-me-up," wrote one fair listener; and another—"I find wireless waves travel at 186,400 miles per second. I consider this much too fast. . ."

Mr. Fitch said that inadequate and out-of-date sets led to a lot of difficult correspondence. He recommended listeners to consult a radio trader more often.



Part of the gathering at the recent Pye outing to Brighton. On the left is a reproduction of the programme. See column three.

The War on Price-Cutting.

A Step Forward in the R.M.A. Stop List Scheme.

FOUR months ago, or to be exact, in our issue of March 1st, we were able to announce that the Executive Council of the Radio Manufacturers' Association had decided to operate a Stop List with a view to restricting the pernicious activities of the price-cutter in the radio trade.

At that time we pointed out that although the members of the Association were not in any way bound to follow the course of action which had been decided upon, there was every indication and hope that the majority would lend their support to ensure the successful working of the scheme.

That this hope has been fulfilled is shown by the list of names which has been given to us by the R.M.A., and which is published on this page. This list is composed of members of the Association who have registered for the protection of the retail list prices of their goods, and although the Secretary points out that readers will no doubt notice at once that the names of one or two of the larger firms in the trade

are not included, it should be remembered that some, at any rate, have their own systems of distribution which they consider give adequate protection against price-cutting on their own goods. Any subsequent modifications in the list will be announced from time to time.

By registering their names, it should be pointed out, all the undermentioned manufacturers have given the R.M.A. the necessary authority and power to act for them in cases where it is proved that retailers have infringed the registered retail prices.

The Next Move.

Now that they are in possession of a more or less complete list of the goods—and their prices—produced by nearly all the leading radio manufacturers, the Association can take the next step forward and proceed to carry out investigations into any complaints they receive in connection with price-cutting on registered merchandise. Then, if it is proved that the retailer concerned is guilty of the

price-infringement, his name will be duly entered upon the Stop List.

We anticipate that the general operation of the scheme will be much on the lines adopted by the motor trade. As we have previously remarked, the list will be published so that it may be seen by all members of the trade, and manufacturers and wholesalers will be expected to make arrangements for holding up supplies of all price-maintained goods from the firm's responsible for the cutting.

The Radio Manufacturers' Association is confidently of the opinion that the introduction of the Stop List will play a very material part in curtailing to a large extent the activities of dabblers and price-cutters, who, at the present time, are a serious menace to the prosperity and general well-being of the trade. We understand that the next move on the part of the R.M.A. will be the publication of the Stop List itself, and further news on this subject will be given in our columns as soon as it is available.

List of Manufacturers Already Registered.

Aeon Radio, Ltd.
Baker, A. (Baker's Selhurst Radio).
Bel-Canto Radio, Ltd.
Belling & Lee, Ltd.
Benjamin Electric, Ltd.
Bligh, S. W.
British General Mfg. Co., Ltd.
British Radio Gramophone Co., Ltd.
Brownie Wireless Co. (G.B.) Ltd.
Bulgin, A. F., & Co., Ltd.
Burndept Wireless (1928), Ltd.
Burton, C. F. & H.
Carrington Manufacturing Co., Ltd.
Celestion, Ltd.
Chloride Electrical Storage Co., Ltd.
Classic Radio & Gramophone Co., Ltd.
Climax Radio Electric, Ltd.
Colvern, Ltd.
Cossor, A. C., Ltd.
Dibben, William, & Sons, Ltd.
Dubilier Condenser Co. (1925), Ltd.
Dyson, J., & Co. (Works), Ltd.
Eagle Engineering Co.
Edison Bell, Ltd.
Edison Swan Electric Co., Ltd.
Ellison Manufacturing Co.
Epoch Radio Manufacturing Co., Ltd.
Falk, Stadelmann & Co., Ltd.
Ferranti, Ltd.
Formo Co.
Gambrell Radio, Ltd.
Garnetts.
Garnett, Whiteley & Co., Ltd.

General Electric Co., Ltd.
Gould Harper & Co.
Graham Amplion, Ltd.
Graham Farish, Ltd.
H.S.P. Wireless.
Halcyon Wireless Co., Ltd.
Hart Brothers Electrical Mfg. Co., Ltd.
Hart Collins, Ltd.
Henderson, W. J., & Co., Ltd.
Holt & Crompton.
Igranic Electric Co., Ltd.
Jackson Brothers.
Jewel Pen Co., Ltd.
K.N. Electrical Products, Ltd.
Kolster-Brandes, Ltd.
Lamplugh, S. A., Ltd.
Lectro-Linx, Ltd.
Lock, W. & T., Ltd.
London El. Wire Co. & Smiths, Ltd.
McMichael, L., Ltd.
Magneto Accumulator & Electro-Plating Co.
Montague Radio Inventions & Dev. Co., Ltd.
Mullard Wireless Service Co., Ltd.
Murphy Radio, Ltd.
National Accumulator Co., Ltd.
New London Electron Works, Ltd.
Nottingham Radio Supplies.
Oldham & Son, Ltd.
Ormond Engineering Co., Ltd.
Pandona, Ltd.
Partridge & Mee, Ltd.

Partridge, Wilson & Co.
Perlectavox, Ltd.
Pertrix, Ltd.
Peto & Radford.
Peto Scott Co., Ltd.
Philips Lamps, Ltd.
Philipson & Co., Ltd.
Pye Radio, Ltd.
Radio Gramophone Development Co.
Radio Instruments, Ltd.
Rees Mace Manufacturing Co., Ltd.
Regent Radio Supply Co.
Ripaults, Ltd.
Selectors, Ltd.
Siemens Bros. & Co., Ltd.
Simmonds Bros.
Standard Battery Co.
Stratton & Co., Ltd.
Telegraph Condenser Co., Ltd.
Truphonic Radio, Ltd.
Tudor Accumulator Co., Ltd.
Tannoy Products (late Tulsemere).
Turner & Co.
Ultra Electric, Ltd.
Vandervell, C. A., & Co., Ltd.
Varley (Oliver Pell Control, Ltd.).
Watmel Wireless Co., Ltd.
Westinghouse Brake & Saxby Signal Co., Ltd.
Whiteley Boneham & Co., Ltd.
Whittingham Smith & Co., Ltd.
Wilkins & Wright, Ltd.
Wingrove & Rogers, Ltd.

IN THE COURTS.

Triotron Granted Injunction Against a Dealer.

IN the Chancery Division, before Mr. Justice Eve, on Friday, last week, Mr. D. H. Corsellis mentioned the case of the Triotron Radio Co., Ltd., against Pearl & Pearl on a motion for an injunction to restrain infringement of plaintiffs' patent. Counsel said the patent was connected with wireless valves, and the infringing valves put on the market were called Tungstram.

Defendants, who were retailers, appeared by counsel and consented to treat the motion as the trial of the action, to submit to a perpetual injunction in terms of the writ and to pay £5 as damages and £10 towards the costs. They also submitted to an order to deliver up on oath any infringing valves. Mr. S. Isaacs said he appeared for the defendants and consented to the order.

Mr. Justice Eve granted the order as arranged.

PETO-SCOTT PETITION ADJOURNED.

MR. JUSTICE BENNETT, in the Chancery Division on Monday, adjourned for a month the petition for the compulsory winding up of the Peto-Scott Co., Ltd.

Counsel for the petitioners said the matter had been standing over for a scheme to go through. The company was still carrying on with the scheme and it was hoped eventually that a settlement would be reached. They asked for an adjournment for four weeks.

His lordship assented.

FIRM'S NAME RESTORED TO THE REGISTER.

IN the Chancery Division on Monday Mr. Justice Bennett had before him an application to restore to the company's register the name of the Wireless Distributing Co., Ltd.

Mr. J. D. Johnston said the name was struck off owing to the admitted negligence of the secretary, no returns having been made over a long period. The directors expressed themselves as sorry for this, and they undertook to render the returns forthwith. The offices of the company were at Walmer House, Regent Street, London, W., and its objects were to manufacture, buy and sell wireless apparatus. The company, added, counsel, was perfectly solvent.

Mr. Crossman, for the Registrar, did not oppose the application subject to the returns being made.

His lordship granted the application, and said the directors must remember that the provisions of the Joint Stock Companies Act were intended for the public benefit. The company must satisfy the court that the returns in question had been rendered.



This "Daily Mirror" van, which is at present touring the holiday resorts of the whole country, is fitted with Celestion amplifying equipment and loud-speakers. The results obtained, in the words of the "Daily Mirror" representative in charge, are perfect.

Two London Dealers Summoned Under "Noise" By-Law.

FOR allowing a gramophone and a loud-speaker to be played and heard outside shop premises, a gramophone dealer and a wireless dealer respectively, were summoned last week by the Islington Borough Council for committing the nuisances, these two cases being the first of their kind under the new Council by-law.

The first summons was against Mr. H. L. Lubelski, trading as "Bright Home Supplies," of 9, Stroud Green Road, Islington, London, N., a gramophone dealer, and he was charged at the North London Police Court "because on June 19th he unlawfully suffered a gramophone to be operated, contrary to the by-law made in the said borough on March 21st, 1930."

When the case was called on, Mr. Harvey (defending) formally pleaded guilty to the summons, and said he had spoken to Mr. Robinson (for the Council) about the case, and had agreed to mitigate the nuisance, and to give an undertaking to that effect.

Mr. Robinson then said that this was the first case under the by-law, and he had a number of witnesses who were prepared to come forward to say that this gramophone was intolerable. The defendant was quite willing in future to stop this, and had given an undertaking to that effect. In the circumstances, he was ready to withdraw the summons, as this would act as a warning to the defendant, but if there were any future complaints they would have to proceed.

Mr. Bertram Watson, the Magistrate, said that as this was a recent by-law, having regard to the facts, that was the best course to adopt. The defendant had given the undertaking, but it must be clearly understood that there would be further proceedings in that borough if the offence was still committed, as this would act as a warning. Under those circumstances he would dismiss the summons under the Probation of First Offenders' Act on payment of £1 1s. costs.

THE second summons was against Mr. B. Morris, of 9, Station Road, Finsbury Park, London, N., a wireless dealer, the offence in this case taking place on June 18th.

Mr. Robinson said that this was a case of a similar character, the nuisance being under similar conditions, and they were quite prepared to withdraw the summons upon the same undertaking being given.

The Magistrate asked Mr. Lloyd-Jones (for the defendant) if that were so; that he was prepared to give the undertaking, as in the previous summons.

Mr. Lloyd-Jones: I am not quite prepared to give an undertaking, because we have already abated the nuisance. I will say that we will endeavour to meet the requirements of the by-law.

The Magistrate said that counsel had heard what had transpired in the previous summons, so he would do the same in this case as in the last one, the defendant to pay the costs.

SET SUPPLIED WITHOUT ORDER.

IN the Hastings County Court recently, Alexander Wallis, a wireless dealer, of Hastings, sued William Tattersall for £8 15s. 6d., claimed to be due for repairs to a wireless set. Mr. Wallis stated that he was instructed by a lady, whom he understood was defendant's housekeeper, to repair a 4-valve set, and he was told to do what was necessary as cheaply as possible. He suggested that he should re-wire the set as a three-valve one, pointing out that it would give better results.

The lady agreed to this, but he had been unable to obtain payment of his account. Major E. H. Langham, for defendant, read a letter from plaintiff to his client explaining what he had done to the set, and defendant's reply said that he did not believe a word of the explanation, and that he would put the matter in the hands of his solicitors. Defendant said that he simply sent the set to plaintiff and asked him to find out what was the matter with it. In reply to his solicitor, defendant said that the set brought back had no relation to his set so far as he

YOU CAN SELL



AMPLION

BALANCED ARMATURE SPEAKERS

because

- 1** They improve every set and are therefore bought to replace older speakers.
- 2** Every type of set and all kinds of customers are specially provided for amongst this range of Amplion models.
- 3** Owing to the provision for alternative impedances, these speakers can be matched to the output of any set.
- 4** They combine realistic reproduction with generous volume handling capacity.
- 5** There are hundreds of thousands of listeners who appreciate the significance of "Amplion Reproduction."

VOLUME

To-day, mere volume in a loud-speaker is not sufficient. The humblest man in the street seeks better quality, greater realism.

The recent additions to the famous Amplion range, the four Cabinet models with the New Amplion Senior Balanced Armature Unit, are extremely sensitive. They will reproduce high notes and low notes in true balance and with no distortion. While able to handle very considerable volume, they are made for true and life-like reproduction.

Alternative combinations of terminals enable the speakers to be matched to the output stage of the receiver to which they are connected.



A.B. 41. O.

£5'15'0
OAK



A.B. 41. M.

£6'6'0
MAHOGANY

AMPLION

but **QUALITY** and **REALISM** too

Another point—the cabinets of the famous Lion Speakers have won such universal admiration that these latest Amplion Speakers are being housed in exactly similar cabinets. Therefore, in performance, in appearance, even in price these Amplion Senior Balanced Armature Speakers represent thoroughly sound value for money.



A.B. 45. O.

£6'15'0
OAK

£7'7'0
MAHOGANY

AMPLION

**GOING ONE
BETTER!!**

A proved selling line and an accepted favourite ever since its inception at the Radio Exhibition of 1929, this A.B.6 appeals to the great majority of listeners, not only for its performance but for its reasonable price.

Now that numerous receivers are obtainable in cabinets of walnut, Amplion by the introduction of an alternative finish in walnut, have made the A.B.6 type even more popular. The cabinet has been acclaimed as "genuinely beautiful"; the reproduction is of true Amplion quality. No more need be said.

A.B.6 OAK - £4:10:0

A.B.6 MAHOG. £4:17:6



A.B.6. WALNUT

£4·17·6

AMPLION

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Works: SLOUGH

royds.

knew. He had certainly given no order for the re-building of the set.

Defendant's daughter said that she told plaintiff to do what was necessary to the set at the smallest possible cost. She gave no order for a 3-valve set.

The maker of the original 4-valve set said that he had examined the 3-valve set, and could not swear that any of the original parts were in it. The Judge, finding for defendant with costs, said that plaintiff had supplied him with a set for which there was no order.

END OF LENGTHY CABINET DISPUTE.

AFTER a long adjournment—the last hearing being reported in our issue of April 26th—the case in which Messrs. H. L. & T. N. Knight, cabinet makers, of 175A, Arkwright Street, Nottingham, claimed from Whiteley, Boneham & Co., wireless manufacturers, of Nottingham Road, Mansfield, a sum of £99 12s. 5d., the balance due for goods sold and work done, again came before the Nottingham County Court last week.

The defence, according to Mr. G. C. Allsebrook (instructed by Mr. R. P. Marchant, of Mansfield), was that the loud-speaker cabinets had been made of wood not properly seasoned and that the goods were unmerchantable; also that the cracked cabinets, when they were returned to Messrs. Knight, were not properly repaired.

Defendants counter-claimed for £114 18s. 9d.

Judge Hildyard found for the plaintiff on the claim for £15 9s. 6d., without costs, and on the counter-claim gave a verdict for the defendants, awarding them £10 7s., with costs.

AN INTERESTING COMPENSATION CASE.

AT the June sitting of the Bromley County Court, George Troke, of Bellingham, sued Kolster-Brandes, Ltd., Cray Radio Works, Sidcup, for compensation in respect of dermatitis—a skin disease.

For applicant it was stated that he was a french polisher, and he entered the employment of Kolster-Brandes in August, 1928.

In the following June he was certified as suffering from dermatitis. He was paid compensation until December, 1929, and was then asked to come back, and he was put on spindle turning. Dermatitis again broke out, and he was paid compensation to March 20th, when it was discontinued. It was urged that applicant's field of employment was very much cut down, and that his earning capacity at the present moment in the labour market was practically nil.

Mr. D'Arcy Edmondson, for Kolster-Brandes, said that his clients did not admit liability because they had paid sums of money. Applicant's panel doctor said that Troke was not able to go back to french polishing at present. If he took work which made him perspire profusely he would be tempting providence, but there was work he could do if it could be found.

The judge said that he thought that in the labour market applicant could earn 15s. per week, and he awarded him £1 7s. 9d. per week from March 20th.

RADIO FIRM FAIL TO WIN CASE.

IN the Leighton Buzzard County Court, before Judge Druquer, recently, Griffin Bros., wireless engineers, of 63, North Street, Leighton Buzzard, sued Mrs. Kate Hawkins for £1 3s. 9d., due for wireless goods supplied and work done.

For plaintiffs it was stated that defendant ordered a wireless set which was placed in the bedroom of her invalid sister. Owing to someone having taken the lead from the grid bias and plugged it in the H.T. battery, the valve burned out and the battery ran down. Plaintiffs supplied replacements, and the amount claimed represented a balance due.

For the defence it was contended that the set was ordered by the sister, who had since died, and not by defendant. It was also stated that within an hour of a battery being supplied and refitted there was a short circuit.

The Judge said that no evidence had been brought forward to show that the transactions did not take place on behalf of the sister who died, and he found for the defendant with costs.

Screen Television by Baird.



LAST Tuesday the first demonstration of British television reproduced on a screen was witnessed by a large gathering of the Press.

BY the courtesy of Baird International Television, Ltd., we were present at the first demonstration of the Baird process of reproducing television on a screen, which was given on the roof of the Baird offices and laboratories on Tuesday night, July 1st.

The Method Used.

The "screen" was formed of a bank of 2,100 small electric lamps, in front of which was a sheet of ground glass to act as a diffuser. Each lamp was mounted in a $\frac{3}{4}$ in. square cell, so that the screen resembled a honeycomb in appearance. The actual overall size was about 2 ft. wide and 5 ft. high, as the screen was designed to receive the ordinary Baird television pictures. There is no reason, however, why a much larger screen should not be employed, and we learned that the Baird Company are proposing to build one about ten times as large as that which we saw.

Curiously enough, the system used is one that was patented by Mr. Baird as long ago as 1923, and it is only after seven years that the idea has been put into operation. The lack of brilliance which was the drawback of the earlier experiments using neon tube and Kerr cells has been overcome by the use of the small lamps, of the "pocket lamp" bulb type.

These lamps are brought into circuit in rapid succession one after another by a rotating contact "brush," making contact with a fixed commutator, 3 ft. in diameter, which has 2,100 segments, or one for each lamp. The contact arm revolves twelve times per second, and all the lamps are therefore switched on and off in one-twelfth of a second.

The television signal is fed to a powerful amplifier (nine D.O.60 valves were in use in the output stage) and from this it is passed

to the commutator. Naturally, the current varies with the brightness of the image at any particular point, and as this current is passed to the lamps in the "scanning" process, they reproduce the image in mosaic form.

As the lamps are not instantaneous in action, and remain alight for a relatively long space of time, the picture produced is not so obviously composed of spots of light and shade, the effect being to soften the reproduction, this being aided by the ground glass in front of the bank of lamps.

The Results Achieved.

The brilliance of the picture was found to be comparable with that of an ordinary cinema, and at a distance of forty feet, where we sat, the effect was very good. The detail was not greater than that of the ordinary Baird television image, and there was a good deal of flicker. In addition, at the demonstration, some trouble was experienced with the synchronising gear, although we were told that on the previous evening an experimental transmission had been "held" for over half-an-hour without movement. Nevertheless, the demonstration clearly showed that the Baird Company are grappling with the screen television problem and have already achieved very good results. They are evidently taking up the challenge of the American systems in earnest.

Of course, the system as demonstrated will never be suitable for use in the home and it will therefore not directly affect our readers. On the other hand, anything which increases the interest in television generally, and which may result in an increase in television transmissions and a corresponding increased demand for home televisions should have a good, if indirect, effect on the radio dealer.

THE RADIO EXHIBITION, 1930.

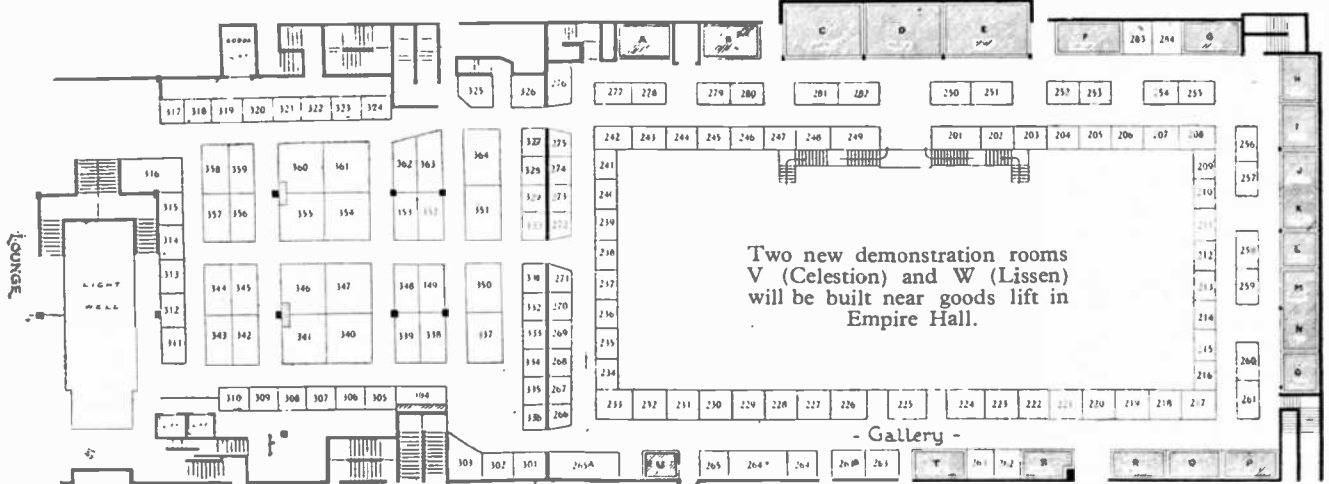
THROUGH the courtesy of the R.M.A. we give below a list of exhibitors and stand allocations for this year's Radio Exhibition. The arrangement of the Stands is provisional and is subject to slight alterations, as in some cases acceptances have not yet been received. The letters G and E respectively before a number signify that the stand concerned is located in the New Hall Gallery or the first floor of the Empire Hall.

Provisional Stand Allotments.

NAME.	STAND No.	NAME.	STAND No.
Adey Radio, Ltd.	E360	Eastick, J. J., & Sons	E333, E334, E335
Aeonic Radio, Ltd.	68	East London Rubber Co.	40, 41
Amalgamated Press, Ltd.	9, 10	Econasign Co.	E326
Arding & Hobbs, Ltd.	E361	Edison Bell, Ltd.	56, 57
Atlanta	E328	Edison Swan Electric Co., Ltd.	105
Automatic Coil Winder & Electrical Equipment Co., Ltd.	G223, G224	Ellison & Hillman	36, 37
Bakelite, Ltd.	E354	Ensign, Ltd. (Houghton's the Wholesalers)	17, 18, 19, 20, 21
Baker's Selhurst Radio	G268, G269	Epoch Radio Mfg. Co., Ltd.	E303
Beaver Electrical Supply Co.	E307	Ever Ready Co. (G.B.), Ltd.	82
Bel-Canto Radio Reproducer Co., Ltd.	E363	Falk, Stadelmann & Co., Ltd.	G252, G253
Belling & Lee, Ltd.	G265A	Ferranti, Ltd.	80
Benjamin Electric, Ltd.	G247	Flinders (Wholesale), Ltd.	44
Bernard Jones Publications, Ltd.	1, 2, 3	Forno Co.	114, 133
Bird, Sydney S., & Sons, Ltd.	115	Fuller Accumulator Co. (1926), Ltd.	E317, E364
Birkbys, Ltd.	E344	Gamage, A. W., Ltd.	E312, E313, E314
British Ebonite Co., Ltd.	E352	Gambrell Radio, Ltd.	G218, G219, G220, G221, G222
British General Mfg. Co., Ltd.	96	Garnett, Whiteley & Co., Ltd.	58, 59
British Radiophone, Ltd.	E319	Garrard Eng. & Mfg. Co., Ltd.	E355
Brown Bros., Ltd.	34, 35	General Electric Co., Ltd.	106, 107
Brown, S. G., Ltd.	122, 123, 124, 125	Graham Amplion, Ltd.	100
Brownie Wireless Co. (G.B.), Ltd.	G202, G203, G204, G205	Graham Farish, Ltd.	118, 119, 128, 129, G225
Bulgin, A. F., & Co.	G206, G207	Grispo Co.	E302
Bullphone, Ltd.	62, 63	Grosvenor Battery Co., Ltd.	E362
Burndept Wireless (1928), Ltd.	91	H.S.P. Wireless	G256
Burne-Jones & Co., Ltd.	G 254, G 255	Halcyon Wireless Co., Ltd.	G279, G280
Burton, C. F., & H.	76	Harlie, Bros.	G275
Cadisch, R., & Sons	E316	Henderson's Wireless	E327
Carrington Mfg. Co., Ltd.	G272, G273, G274	Hobday Bros., Ltd.	28, 29
Catesby's, Ltd.	E358, E359	Hunt, A. H., Ltd.	E315
Celestion, Ltd.	88	Hustler, Simpson & Webb	E346
Chloride Electrical Storage Co., Ltd.	89	Igranic Electric Co., Ltd.	E340
Clarke & Moir, Ltd.	E305, E306	Iliffe & Sons, Ltd.	6, 7, 8
Classic Radio & Gramophone Co., Ltd.	G241	Itonia Gramophones, Ltd.	42, 43
Climax Radio Electric, Ltd.	51, 52, 53, 54	J.R. Wireless Co.	G267
Cole, E. K., Ltd.	81	Jackson Bros.	101
Columbia Graphophone Co., Ltd.	112, 113, 134, 135	Jewel Pen Co., Ltd.	G270
Colvern, Ltd.	77	Johnson & Bolsom	G276
Cossor, A. C., Ltd.	86, 87	Junit Mfg. Co., Ltd.	103
D.X. Coils, Ltd.	E336	Kalisky, S. (Aldgate), Ltd.	45, 46
Danipad Rubber Co., Ltd.	E309, E310	Kolster Brandes, Ltd.	90
Darwins, Ltd.	E353	L.E.S. Distributors	33
Dayzite, Ltd.	49	Lamplugh, S. A., Ltd.	G258, G259
De La Rue, Thos., & Co., Ltd.	G 263	Lectro Linx, Ltd.	G264
Dew, A. J., & Co.	31, 32	Lever, Eric J. (Trix), Ltd.	E348
Dibben, Wm., & Sons, Ltd.	22, 23, 24, 25, 26	Lissen, Ltd.	71
Donotone Loud-speakers	G271	Lithenode Co., Ltd.	G266
Downing, John S., & Sons, Ltd.	E330	Lock, W. & T., Ltd.	G264A
Dubilier Condenser Co., (1925), Ltd.	83	Loewe Radio Co.	E308
Dulcetto Polyphon Co., Ltd.	47, 48	London Elec. Wire Co. & Smiths, Ltd.	72, 73
Dunhams, Ltd.	4		
Dyson, J., & Co., Ltd.	G 208		
Eagle Engineering Co., Ltd.	75		

EMPIRE HALL (FIRST FLOOR)

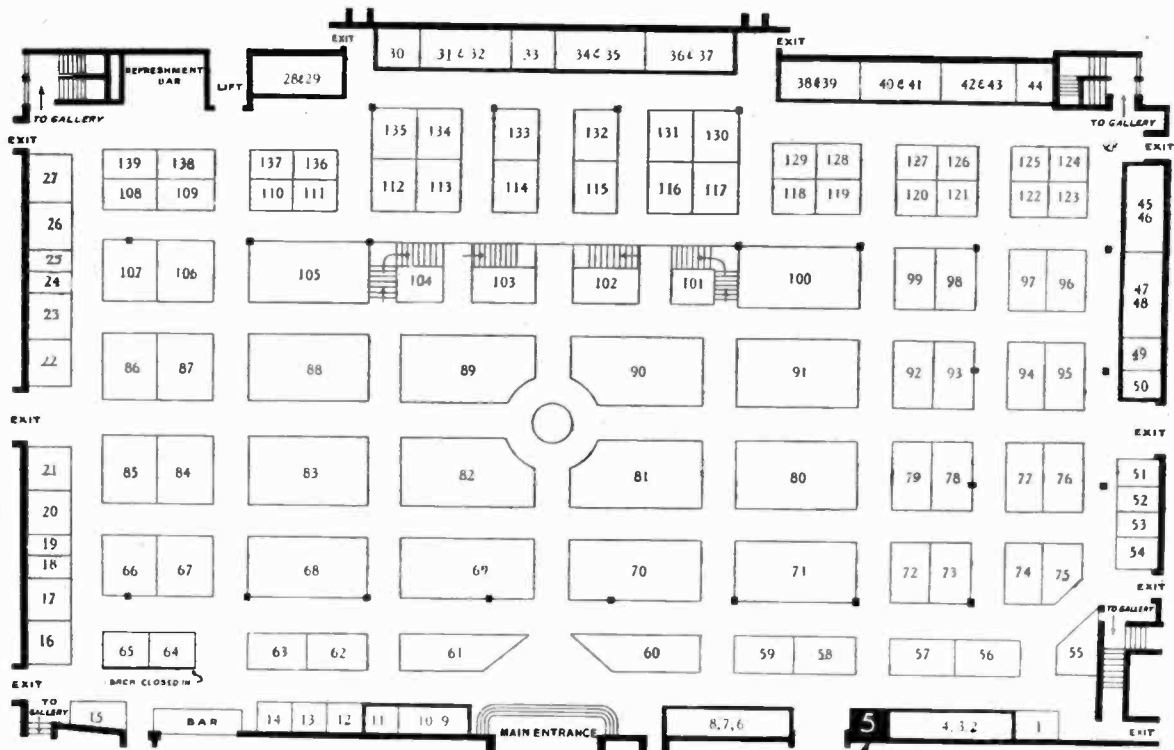
NEW HALL GALLERY



NAME.	STAND No.	NAME.	STAND No.
M-I Magneto Syndicate, Ltd.	E318	Sylvex, Ltd.	G262
McMichael, L., Ltd.	92, 93	Tannoy Products (formerly Tulsemere Mfg. Co.)	G238, G239
Manufacturers' Accessories Co.	E301	Telegraph Condenser Co., Ltd.	G281, G282
Marconiphone Co., Ltd.	69, G283, G284	Telsen Electric Co., Ltd.	108, 109, 138, 139
Matchless Radio Mfg. Co., Ltd.	E345	Tonex Co.	E329
Montague Radio Inventions & Dev. Co., Ltd.	G277, G278	Trader Publishing Co., Ltd.	5
Mullard Wireless Service Co., Ltd.	66, 67	Trelleborg Ebonite Works, Ltd.	E324
Murphy Radio, Ltd.	E351	Turner & Co.	16
National Accumulator Co.	70	Ultra Electric, Ltd.	120, 121, 126, 127
New London Electron Works, Ltd.	64	Universal Gramophone & Radio Co.	G257
Odhams Press, Ltd.	11	Vandervell, C. A., & Co.	12, 13, 14
Oldham & Son, Ltd.	102	Varley	G209, G210, G211, G212, G213, G214, G215, G216, G217
Ormond Eng. Co., Ltd.	116, 117, 130, 131	Watmel Wireless Co., Ltd.	27
Osram Valves (G.E.C.)	78, 79	Westinghouse Brake & Saxby Signal Co., Ltd.	E338, E339
P.R. Products	E320	Whiteley Boneham & Co., Ltd.	104
Pandona, Ltd.	G265	Whiteley, Wm.	E356, E357
Paroussi, E.	E323	Wilkins & Wright, Ltd.	97
Partridge & Mee, Ltd.	E347	Wingrove & Rogers, Ltd.	G250, G251
Partridge, Wilson & Co.	E350	Wireless Retailers' Association	15
Perfectavox, Ltd.	E341	Wright & Weaire, Ltd.	E349
Perrix, Ltd.	E311	Young Accumulator Co. (1929), Ltd.	E321
Peto Scott Co., Ltd.	G234, G235, G236, G237	Zeitlin, V., & Sons, Ltd.	50
Pioneer Mfg. Co.	E322		
Pye Radio, Ltd.	60, 61		
Quest Radio Mfg., Co.	E337		
Radio Gramophone Development Co.	G261		
Radio Instruments, Ltd.	98, 99		
Radio for the Million (Mullard)	G201		
Radio Service (London), Ltd.	E331, E332		
Radio Society of Great Britain	E325		
Redfern's Rubber Works, Ltd.	E304		
Red Star Radio	G226, G227, G228, G229, G230, G231, G232, G233		
Rees-Mace Mfg. Co., Ltd.	G249		
Regent Radio Supply Co.	84, 85		
Ridged Cone Co., Ltd.	G240		
Rollis Radio	65		
Selectors, Ltd.	G242, G243, G244, G245, G246		
Sel-Ezi Wireless Supply Co., Ltd.	30		
Selfridge & Co., Ltd.	E342, E343		
Sheffield Magnet Co.	G260		
Sherwood, A. M. E.	G263B		
Siemens Bros. & Co., Ltd.	110, 111, 136, 137		
Six-Sixty Radio Co., Ltd.	94, 95		
Smurthwaite, F. W.	G248		
Standard Battery Co.	74		
Stratton & Co., Ltd.	55		
Sun Electrical Co., Ltd.	38, 39		
Swift, Levick & Sons, Ltd.	G263A		

Demonstration Rooms.

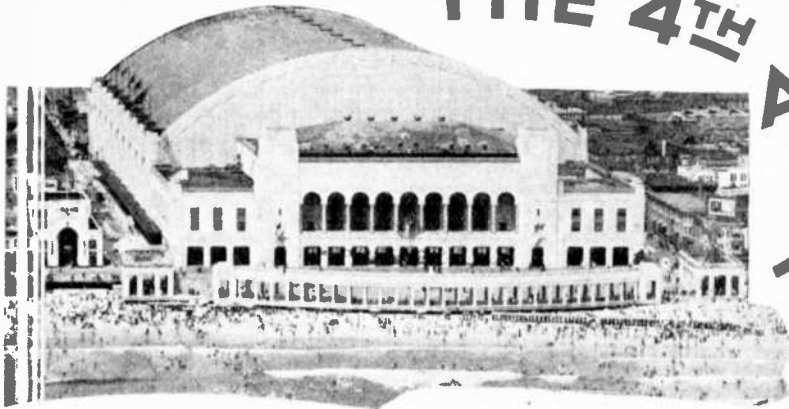
Name	Room
Aeonic Radio	G
Celestion, Ltd.	V
Cole, E. K.	U
Columbia Graphophone Co., Ltd.	C
Edison Bell, Ltd.	T
Edison Swan-Electric Co., Ltd.	D
Epoch Radio Mfg. Co.	P
Ferranti, Ltd.	H
Gambrell Radio, Ltd.	S
General Electric Co., Ltd.	Q
Kolster-Brandes, Ltd.	I
Lanplugh, S. A., Ltd.	M
Lissen, Ltd.	W
McMichael, L. Ltd.	A
Marconiphone Co., Ltd.	E
Mullard Wireless Service Co., Ltd.	B
Perfectavox, Ltd.	L
Radio Gramophone Dev. Co., Ltd.	O
Sheffield Magnet Co.	N
Ultra Electric, Ltd.	F
Universal Radio & Gramophone Co., Ltd.	J & K
Varley	R



NEW HALL

WIRELESS TRADER

THE 4TH AMERICAN R.M.A. TRADE SHOW



Console and radio - gramophone sets, midget and automobile receivers, remote control and tone compensators.

OUR American correspondent describes below the main features of the fourth American radio trade show, organised by the American Radio Manufacturers' Association, and held last month in the Municipal Auditorium at Atlantic City, N.J., seen in the heading to this article. Some comments on this show are to be found under "Editorial Views" this week.

THIRTY-SEVEN set manufacturers, 51 per cent. of all those making receivers in the United States this year, and including companies which do the bulk of the business, exhibited new 1931 complete set models at 4th Annual Trade Show held in June under the auspices of the Radio Manufacturers' Association in the Municipal Auditorium, Atlantic City, New Jersey.

Several complete console models with built-in dynamic speakers were priced in the vicinity of £15 complete in every detail for mains operation, except for valves, but averaging the retail list prices of the cheapest set in each line exhibited produced the figure of £20. Averaging the list prices of the most expensive models in each line produced an average price of £52, even though several makers displayed higher priced sets, particularly radio-gramophone combinations designed to retail as high as £130. In general, the price trend this year is slightly upwards.

Cabinets.

Thirty-one of the total of thirty-seven exhibiting set manufacturers included console cabinet models, complete with built-in dynamic speakers and power-supply equipment, in their lines. Only fourteen companies manufactured pedestal models. Eight still offered table models with separate speakers. Obviously the table model set has given way almost entirely to the console, in which all necessary equipment and the speaker is housed.

Walnut was almost universally shown as stock cabinet wood, fifteen manufacturers presenting lines which would probably be called ornate. Less than half of all those at the show included elaborately hand-carved consoles, but this is a decided trend toward greater cabinet ornamentation, as no more than ten companies exhibited such types at the 1929 show. Period furniture was very much in evidence in practically all stands.

Radio-Gramophones.

Twenty-two companies exhibited radio-gramophones, a very marked increase over last year. These ranged in price from £39 to £130 and usually included radio chassis embodying all the latest circuit designs. Twelve companies will market such combinations with automatic record-changing devices capable of handling as many as twenty-five discs without attention by an operator and running entirely from the mains.

As in Great Britain, radio is apparently combining forces with the gramophone industry.

One large gramophone manufacturing firm which does not market radio in any form thought it worth while to exhibit its acoustic gramophones.

The marked increase in the importance of radio-gramophone combinations was also reflected in the number of manufacturers incorporating pick-up jacks into their ordinary radio receivers. In some cases a switch on the tuning dial automatically changes the amplifier over to the pick-up jack when the dial is turned below zero, while other sets incorporate such an automatic switch on the volume control dial.

Tone-Control.

Tone-control, sometimes called "Noise-Suppressor" or "Acoustic Control," is causing a considerable stir.

It is generally thought that tone-control is an excellent selling feature, the advantages claimed being the adaptation of "pitch" to each individual ear, the matching of the radio-reproduction with broadcast programmes from different stations, adjustment for best tone under varying room conditions and the possibility of variation to suit particular musical instruments and selections. Technically, however, some of the manufacturers (who do not include tone-control) claim that properly designed sets reproduce broadcasts, however intricate, exactly as transmitted, without adjustments to the receiver. The advocates of tone-control, on the other hand, claim that it is impossible to build receivers which will produce such fidelity of reproduction under varying conditions for individual tastes. Irrespective of opinion, tone-control is an important sales feature this year.

Remote Control.

Remote control, by which a radio user may turn his set on and off and tune in stations from a point as far removed from the receiver as 50 feet, have appeared this season, though opinion as to the sales possibilities vary. Some have it that the feature is a super-refinement which will only appeal to a luxury class and others foresee big possibilities.

Remote control consists of a system of electric motors connected to the tuning and volume control dials of a given receiver and equipped with a number of phase-windings, which may be connected in circuit from a small control box equipped with buttons for each winding of the field. A flat cable about an inch wide, to be concealed beneath carpets, connects the control box to the receiver. When a button is pressed it pulls the motor armature into a pre-determined position and tunes in a certain



The latest in American control panels. The tuning scale is rectangular and horizontal, a pointer moving along it as the control is altered. Below it is the tone control dial, marked "bass" and "treble," also with a moving pointer.

station. The devices usually permit from six to ten stations to be tuned remotely merely by pushing the corresponding buttons. In addition, several devices permit graduated tuning between fixed points. Volume is controlled by means of a second motor and a dial on the remote control box.

Nine manufacturers incorporate remote control as stock equipment on one model in their high-price range, while four companies make these devices as accessories.

Tuning Controls.

Three manufacturers use "flash-o-light" tuning auxiliaries which permit the user to tune in a station, "log" it by pressing a small projecting panel screw and thenceforth tune in the station by noting a flash of light from the dial as it is passed. The screw, when depressed, merely dents a copper disc attached to the dial in such a way that the dent closes a jack operating a flash-light bulb each time the dial is again brought to this position. These features attracted considerable attention and the cheaper "flash-o-matic" mechanical systems will undoubtedly produce the demonstration attraction which will sell many sets this year.

Many manufacturers use "drum" type dials, nearly as many use disc types and a few use the somewhat newer "strip" type in which a celluloid dial, rectangular in shape, is caused to move horizontally across the panel aperture in front of or behind a stationary pointer.

Loud-Speakers.

Nothing new in speakers has appeared for the last two years. Dynamic (moving-coil) cones, using external power supply for field current sources, are in almost universal use. So great has been the swing to the built-in console type of set that only three manufacturers are making separate speakers in cases or cabinets as accessory units. A few magnetic units were exhibited, particularly for use in "midget" and automobile receivers.



A typical modern American console receiver, fitted in an elaborate cabinet.

The general consensus of opinion in America is that cone speakers of the present types, which are only 5 to 7 per cent. efficient in the transformation of electrical input to acoustic output, must be replaced sooner or later with a more efficient type of reproducer.

H.F. Amplification.

Most radio manufacturers now use screen-grid valves. Three tuned stages are the general rule, though several of the more expensive receivers use four.

A few sets use one stage of untuned H.F. amplification. These sets rely on the other tuned circuits for the necessary selectivity. A good many designers use "pre-selection," a tuned aerial stage or band-pass filter, tuned by means of an additional unit of the gang condenser, preceding the first H.F. amplifier. Many makes of American sets have tuned aerial circuits arranged to provide uniform sensitivity over the entire frequency band and to permit adjustments to be made by the operator for varying aerial lengths. Some use coil taps, some variable mica dielectric condensers and others merely several fixed series condensers in the aerial circuit.

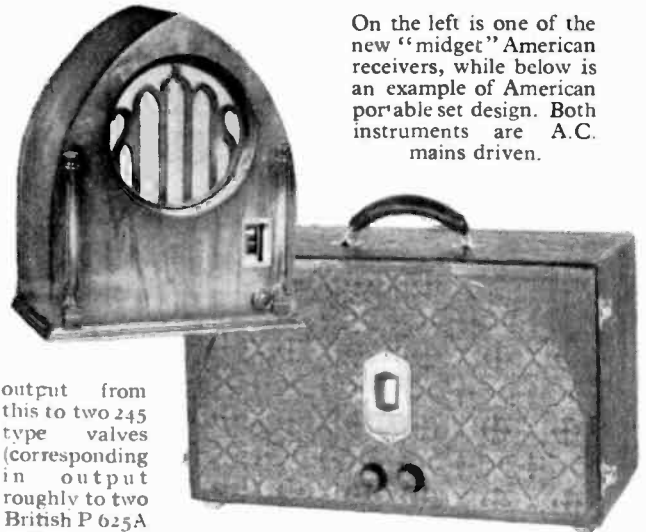
Very few sets find neutralisation of the H.F. circuits necessary, due to the total shielding of coils, valves and associated equipment. The use of shielding continues, with aluminium leading and steel with cadmium plating running a close second. A few copper-shielded chassis were also seen.

Detection and L.F. Amplification.

Power detection, with the grid of the valve highly biased, is the rule this year, rather than the exception. Practically all new sets employ it in some form, due to the tremendous amplification obtained from preceding screen-grid amplifying circuits. About half the manufacturers displaying 1931 products use screen-grid valves for detection. The others use ordinary A.C. heater types, while a few join the grid and plate together

to allow diode detection to be employed. This latter form is stated to provide almost distortionless detection, but the valve does not amplify as well. This does not seem to be important with so much input voltage to spare.

A good many manufacturers use a single stage of resistance coupled L.F. amplification following the detector, feeding the



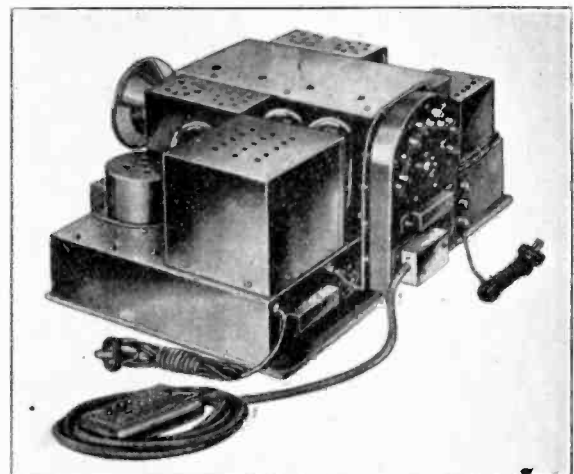
On the left is one of the new "midget" American receivers, while below is an example of American portable set design. Both instruments are A.C. mains driven.

output from this to two 245 type valves (corresponding in output roughly to two British P 625A or P 650 types) operating in a final push-pull stage. Others feed directly from the power detector to push-pull, which is practically universal in use this year. The average set this year might be said, thus, to use three screen-grid H.F. valves, one screen-grid or cathode type power detector, and either a final push-pull stage using two 245's, or a single resistance coupled stage, followed by the final push-pull.

A.C. rectification is accomplished almost entirely by means of double-wave thermionic rectifiers of the 280 type (300 V, 125 mA D.C. output), though one or two sets with a high consumption use two half-wave 281 type valves (620 V, 65 mA each).

Automatic Volume Control.

Some receivers incorporate automatic volume control in which a valve is used following the detector to vary automatically the grid bias on the radio frequency amplifiers in proportion to the input voltage. "Fading" is thus practically eliminated, as the sensitivity of the set is automatically controlled as required to produce a predetermined volume, selected by a manual



The chassis of an American remote control receiver. Note the control cable, terminating in a small rectangular panel fitted with push buttons which tune the set to a number of pre-selected stations.

TUNGSRAM BARIUM VALVES.

INDEMNITY IN RESPECT OF SALE OF TUNGSRAM VALVES.

We wish to inform our trade friends that the opportunity is now being afforded us by Messrs. Mullards of testing in Open Court the question of the alleged infringement by our Valves of certain Mullard Patents Nos. 209730, 229622, 245146 and 245147 (originally granted to N. V. Phillips' Gloeilampen-fabriken of Eindhoven, Holland), and at the same time of contesting the validity of these Patents.

We shall defend the action and do all we can to ensure that the questions at issue be contested as speedily as possible.

In the meantime, we are confident that the Patents sued on are not infringed by our Valves and/or are invalid and we wish to assure our friends that they need have no hesitation in selling our Wireless Valves as we are prepared to give the following Indemnity:—

We undertake that if we are immediately notified of any communication to or objection or proceedings against any distributor of Tungsram Valves in respect of alleged infringement of any Patents covering Wireless Valves by the distribution of Tungsram Valves we will at once take the matter up on his behalf and at our expense and keep him indemnified against any legal costs and expenses which may be incurred in any proceedings taken against him under any such Valve Patents provided

of course that he authorises our Solicitors to act for him in any controversy which may arise, or in any proceedings which may be commenced so that we have unfettered control and discretion in dealing with any such proceedings.

We would like to make it clear that under this Indemnity every distributor is entitled to call upon us for his defence in respect to any alleged infringement by the distribution of Tungram Valves. Should any of our friends receive information of certain firms having submitted to judgments or injunctions we would like to make it clear that these have been obtained against firms who have chosen not to defend the action, and have not offered us the opportunity of defending on their behalf. Such judgments or injunctions have effect only between the particular parties and the material questions of alleged infringement by our Valves and of the validity of these Mullard Patents Nos. 209730, 229622, 245146 and 245147 (originally granted to N. V. Phillips' Gloeilampen-fabriken of Eindhoven, Holland) have not been tested in such actions.

**TUNGSRAM ELECTRIC LAMP WORKS
(GT. BRITAIN), LTD.,
72, Oxford Street, London, W.1.**

BRANCHES :—	BELFAST	48, Upper Church Lane.
	BIRMINGHAM	34/35, Imperial Buildings, Dale End.
	BRISTOL	54/66, Victoria Street.
	CARDIFF	Tungram House, 16/17 Hills Terrace.
	GLASGOW	139a, St. Vincent Street.
	LEEDS	Britannia House, Wellington Street.
	MANCHESTER	9, South Street.
	NEWCASTLE	Milburn House.
	NOTTINGHAM	35/39, South Sherwood Street.

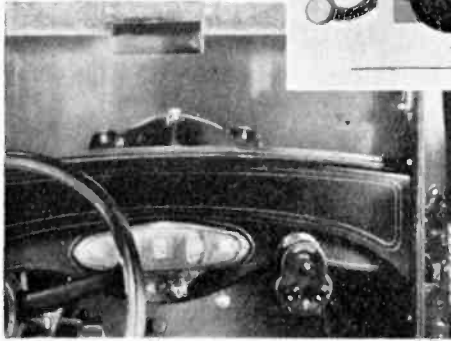
Factories in Austria, Czechoslovakia, Hungary, Italy and Poland.

volume control. This feature is beginning to attract considerable attention amongst American set designers.

New Types of Receivers.

The "Midget," a small A.C. operated receiver with built-in speaker, about 17 inches high, 14 inches wide and 9 or 10 inches deep, weighing about 20 lbs. complete, has made its appearance, and is probably destined to be one of the fastest-selling specialities offered to American dealers this year. The prices

On the right is an automobile radio receiver as supplied to dealers for fitting in cars. Below, the control panel will be seen mounted on the right of the ordinary instrument panel on the dash-board of the car.



of these sets average about £10, without valves, but ready to operate from the mains in every other respect. These small sets, requiring a short aerial and an earth, and embodying several H.F. stages, are amply sensitive. Some use two screen-grid stages and a single stage L.F. amplifier, while others use ordinary A.C. valves. Mains supply is built-in, as is also

either a very small dynamic speaker or in some instances a small magnetic cone.

Portable receivers, as we know them in England, have never been popular in America, but one well-known American firm were showing an A.C. portable listing at about £16 retail. This incorporates two S.G. H.F. stages, a power detector and a single stage of push-pull L.F. amplification. A reed-type cone is fitted. The weight is 19 lbs., and the set is designed for use with a rotary converter running from a car battery, or it can be plugged into the ordinary 110 V, 60 cycle A.C. mains.

Automobile radio receivers, designed to be mounted under the scuttle of a car, between instrument panel and dash, were extremely popular at the show, many companies exhibiting such sets, which sell at from £15 to £35. These compact sets, tuned usually by flexible shafts from a control box to the gang condenser, may also be mounted on the running board, etc. Practically all use A.C. valves, taking advantage of the ruggedness of such valve filaments. Filament supply is obtained from the car storage battery, and H.T. supply from special cells held in a metal box designed to mount beneath the car body. "Auto-radio" will no doubt be one of the outstanding products, from the standpoint of progress, manufactured in America this year.

Short-wave sets were present in about the same number as last year. Several kits and completely assembled sets, using screen-grid valves were shown, without attracting particular attention. Long-wave broadcasts are evidently so good and so plentiful that few people other than the amateurs and a few DX fans are vitally interested.

Components Disappearing.

Components and accessories, with the single exception of remote control devices, have practically disappeared from American shows except where they are designed for use by set manufacturers in building up their complete chassis. Not more than half a dozen components manufacturers all told made any attempt to appeal to the dealer.

Three valve companies have just brought out new D.C. valves requiring only 2 volts at about .06 amperes filament. These are expected to produce replacement business in the farm districts to which all-electric receivers have not penetrated in any great numbers. No pentodes of any kind were shown at the Trade Show.

Altogether, although there were no very startling changes in apparatus design, there was a distinct tendency towards the introduction of certain novelties, with a general consolidation of the pre-existing types of receiver.

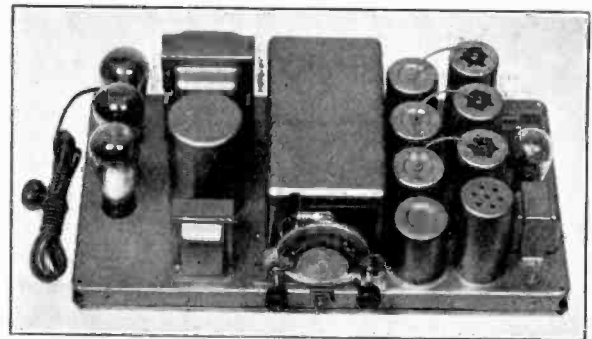
"No Sale"—in Law.

THE Sale of Goods Act requires that, for a contract of sale to be enforced at law, it must be shown either (1) that the buyer has received part of the goods; or (2) that he has "given something in earnest to bind the contract"; or (3) that he has signed some note or memorandum in writing of the contract. The last is, of course, the most valuable evidence, a document being easily produced proof. But what is a "note or memorandum within the meaning of the Act"?

The law is that the whole of the terms of a contract must be somewhere accurately and fully set out, not necessarily, however, in one document. If, for instance, correspondence has passed, it will meet the case if the full terms can be found to have been mentioned in writing somewhere in that correspondence.

The importance of making the full statement is once more shown by a case of which we have been advised. A visitor to an exhibition "bought" certain goods. He gave nothing on account, and no memorandum. Later, the seller wrote to him asking where the goods were to be sent. The customer replied mentioning his "purchase" but stating that he did not now want the goods. Do the two letters that passed constitute a note or memorandum? It is clear that they do not, and that the customer cannot be held to his bargain, in law. The seller's error was in

omitting from his letter (1) a specification of the goods concerned; (2) the price agreed; (3) mention of the time and place and other circumstances of the order. When those matters are enumerated, the letter enumerating them and the customer's acknowledgement of his "purchase" would together constitute the requisite binding "note or memorandum."



This is a typical present-day American receiver chassis. Note the elaborate screening and the clean appearance due to the enclosing of all the connecting wires.

WITH THE TRADE ASSOCIATIONS.

THIS week we report the usual monthly meeting of the North London Branch, W.R.A., and also a meeting of the N.F.R.R. Council.

North London Branch, W.R.A.

A MEETING of the North London Branch of the W.R.A. was held last Tuesday, July 1st, at the premises of the Hon. Secretary, Mr. T. H. S. Chick, 553, Holloway Road, London, N.19. As usual, Mr. W. T. Aston was in the chair. After the usual branch business had been completed, a letter from Headquarters, giving a list of numerous retailers, was read. The *bona fides* of these dealers were discussed generally by members, but owing to the length of the list, the matter was left over for the time being.

Next followed a discussion on the question of permitting the big departmental and chain stores to exhibit at the Olympia National Radio Exhibition. It was reported that the matter had been taken up with the R.M.A., but it was feared that it was too late to do anything in time for the 1930 show. The general feeling of the meeting was unfavourable towards allowing such firms to take exhibiting space.

Mr. H. A. J. Shearman Dyer and Mr. A. E. Betambeau then arrived, and were greeted with enthusiasm.

Extra Discounts on Valves.

The allegation that a certain firm were disposing of a make of "ring" valves at a very large discount was made, and discussed at length. It was announced that the manufacturer in question had been asked to enquire into the matter, but apparently nothing had yet been done. The meeting accordingly expressed regret that this was so, and Mr. Chick agreed to communicate further with the firm on the subject.

The Loud-speaker "Nuisance."

A matter of vital importance to all dealers was then brought up by Mr. Morris, who had been summoned for the alleged "nuisance" caused by his loud-speaker demonstrations in front of his shop. Only a few days before he was summoned a by-law had been made regarding noise. Mr. Morris recounted his experiences to the meeting, and said that, contrary to certain newspaper reports, he was not fined at all. The difficulty, of course, was to decide exactly what constituted a nuisance by noise, as in many cases there was no by-law expressly forbidding the use of loud-speakers in public. Considerable discussion on this matter followed, and the extent to which local authorities can interfere was questioned.

Trade Associations.

Following on the interest aroused by the suggestion in the "Elex Radio Bulletin" that there should be, as it were, an association of manufacturers, wholesalers and dealers, all paying a subscription towards combating trade evils, various members present voiced their opinions on the matter. The discussion then centred round the activities of trade associations generally, and some useful and highly interesting information

was supplied by Mr. Shearman Dyer and Mr. Betambeau. Mr. Shearman Dyer described the initiation of the Liaison Committee formed to co-operate with the R.W.F. to promote fair trading, and the efforts made to compile accurate lists of legitimate factors and dealers.

The remainder of the evening was devoted to a general discussion, lively in the extreme, in which Messrs. Shearman Dyer and Betambeau figured prominently. The meeting finally broke up at 11 p.m.

Unless notice to the contrary is given, the next meeting will be held as usual on the first Tuesday in August.

N.F.R.R. Council.

THE hon. organising secretary of the National Federation of Radio Retailers has sent us a copy of a report of the last meeting of the Council, held at 101, Westminster Bridge Road, London, S.E.1, on June 20th.

The Restraint of Trade Committee.

The report states: The Government Committee on the Restraint of Trade was fully discussed and explained by the secretary, and ultimately it was decided that the Federation should draft the case from the viewpoint of the radio retailer, and submit it to the committee.

The Council then considered the new distributing policy of an important manufacturer, and it was agreed that this was very good except in one particular—and it was decided that the company concerned should be approached with a view to the removal of that difficulty.

Discussion on Price Cutting and Dabbling.

A lengthy debate then ensued with regard to a case of "dabbling" which had been engaging the attention of the N.F.R.R. for some while.

The secretary then referred briefly to a large number of cases of price-cutting which had been dealt with since the last meeting, and reported his lengthy conversation with one of the parties concerned.

Next the secretary stated that, on the invitation of the president of another retail organisation, Mr. W. Moody, the assistant organising secretary, and himself had attended a meeting dealing with price-cutting, and he addressed the meeting, indicating the way in which price-cutting affected the retail trade and the definite action that had already been taken in support of the legitimate retail trader.

Concluding, the report states: In his address, the secretary expressed the view—which was reciprocated by the meeting—that the combined efforts of the two associations would result in greater efforts accruing to their mutual advantage.

B.B.C. ANNUAL REPORT.

Licence Figures Increase by 328,344.

A MPLE proof that the British Isles are far from saturation point in the matter of radio receiving licences held is given in the third annual report of the British Broadcasting Corporation which was issued during the week. The development of broadcasting has been rapid, with the result that the number of licences in force at December 31st, 1929, was 2,956,736, an increase of 328,344 over the 2,628,392 at December 31st, 1928. These figures include free licences issued to the blind, which increased from 14,068 to 15,964. The total increase during 1928 was 233,218.

As is therefore to be expected, the income from licences has increased. During 1929 it amounted to £1,470,000 compared with £1,307,000 during the previous year. The Post Office 12½ per cent. charge absorbed £183,750, the Treasury received £341,949, while the B.B.C. themselves received £944,301, as against £871,764 in 1928.

Although, as it will be seen, the actual amount of money received by the B.B.C. is greater, the percentage of the gross income from licences allotted to them is less, being 64.2 per cent., compared with 66.7 per cent. in 1928.

But the available expenditure was even less owing to the

Corporation's liability to pay income tax and to found a depreciation reserve, for which had been set aside up to the present £100,000 and £92,604 respectively. This brought the amount available in 1929 down to 57.7 per cent. of the income of the Corporation.

An increase in the B.B.C. capital account is worthy of note. According to the report, it has been increased during the year to £565,639, by an appropriation from revenue of £146,425, which is an increase over the previous year's appropriation of £12,257.

Naturally, with the recent strides made in the Regional Scheme the amount of money available to be expended in this connection is large. In fact, the balance for future capital expenditure on the Scheme is £164,398.

Programmes, however, absorb a larger sum. The expenditure on programmes, including payment of artists, orchestras, news, royalties, performing rights, simultaneous broadcast telephone system, and salaries and expenses of programme staff, amounted to £548,676, as against £538,990 in the preceding year. Administration salaries and expenses were £55,682, and governors' fees amounted to £6,100.

"TRADER" TEST REPORTS

Conducted by our
Technical Department.

*Manufacturers are invited to submit
apparatus for test under this heading.*

Six-Sixty Radio Co., Ltd., 17-18, Rathbone Place,
Oxford Street, W.1.

Six-Sixty Valve, Type SS4X. S.G. A.C.

DESCRIPTION AND PRICE.—This valve, which is an improved A.C. screened grid H.F. amplifier, with an indirectly heated cathode, is the latest addition to the Six-Sixty range. It is quite conventional in external appearance, but is rather larger than the usual mains operated S.G. valve. The bulb is tapered and fits into a plain cylindrical base of a black moulded material, with five solid pins, arranged in the usual A.C. formation. As is usual with S.G. valves, the anode connection is taken to a well-insulated terminal mounted on a moulding at the top of the bulb.

Internally the electrode assembly is arranged vertically, with the screening grid mounted on the usual horizontal screen, and the anode in the form of two flat plates placed opposite and parallel to one another. The control grid, cathode and heater element are arranged inside the screening grid.

The overall length of the valve is $5\frac{3}{8}$ ins., and the bulb at its widest point measures $1\frac{7}{8}$ ins. across. Price, 25s.

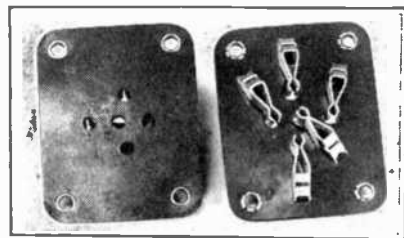
TEST RESULTS.—The rated filament consumption is 1 A at 4 V (A.C.), which we found to be approximately correct. The valve, according to the makers' characteristics, is a great improvement on the original SS₄ S.G. A.C., for its rated amplification factor is no less than 1,600 for an anode A.C. resistance of 485,000 Ω, giving a mutual conductance of 3.3 mA per V. Our sample was checked up on our valve test panel, and under conditions of test slightly different from those mentioned by the makers, we obtained an amplification factor of 1,750, with an A.C. resistance of 450,000 Ω, which is even better than that claimed by the makers.

We noticed that our sample had quite an appreciably higher emission than is shown by the makers' curves, and this may explain our better results. In any case, it should be remembered that the amplification as measured is not likely to be realised in practice, this fact being common to all H.F. amplifying valves.

The question of the stability of the valve under normal working conditions also arises, and we were therefore interested to try it in an actual receiver. One employing a single stage of S.G. H.F. amplification was used, the new valve being substituted for one of the early types of A.C. S.G. valve. The screening of this set, by the way, was fairly complete. We found the new valve to be stable when operated at the recommended voltages (200 V.H.T., 75 V screen), and to give, as might be expected from the bench tests, an amplification much greater than the original valve. Although stable, it was

nearer the danger point than the old valve, and with less screening, instability might have occurred. Also, with two S.G. stages, trouble might have been experienced.

On the whole, therefore, the valve can be recommended as a notable advance in S.G. mains valve design, but it will probably have to be employed in carefully designed sets if complete stability and a large percentage of the theoretical amplification are to be assured.



Two views of the "Eureka" valve-holders described below. Note the spring contacts.

L. Person & Son, 63, Shaftesbury Street, London, N.1.
"Eureka" Valve-holders.

DESCRIPTION.—These valve-holders are of the manufacturers' type and are made in four and five socket types. The contacts are of a special tinned and hardened copper, and have slots cut in them, so that the connecting wires can be securely soldered. Flanges at the top of the contacts are clamped between two sheets of paxolin, measuring about $2\frac{1}{2}$ ins. by $1\frac{3}{4}$ ins., and the whole assembly is held together by eyelet rivets.

The makers are prepared to supply these holders, either 4- or 5-pin models, as described, or mounted on metal strips, or metal base-plates, in gangs of from two onwards, with various centre distances. Prices are available on application to L. Person & Son.

TEST RESULTS.—We tried several valves, with pins of the "banana," solid, and single-split type respectively, in our sample valve-holders, and in each case excellent contact was established. The valves, by reason of the resiliency of the sockets, could be rocked to and fro, but no amount of movement caused any of the valve pins to form a faulty contact with its socket. The insulation resistances between the contacts, both in the 4- and 5-socket types, proved to be very high.

We noticed that while there was absolutely no side play in the contacts, each of them had an appreciable vertical movement. While this does not normally matter, after considerable use the up and down movement might possibly loosen the contact. On the whole, however, these valve-holders can be recommended to set makers particularly.

J. J. Eastick & Sons, 118, Bunhill Row, London, E.C.1.
"Eelex" Testing Prods.

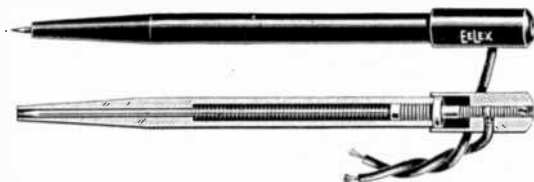
DESCRIPTION AND PRICE.—The latest "Eelex" product is a pair of testing prods, which has been introduced as being suitable for service and general test work. This is an elaboration of the original model, already reviewed by us. Each prod is completely shrouded and contact may be established by a slight pressure on a spring-loaded cap at one end, which causes a metal contact point to project. Each prod is about 5 ins. in length, and the body consists



The new Six-Sixty screened-grid A.C. valve.

of a $\frac{5}{16}$ -in. tube of an insulating material tapering to a conical point at the lower end. The operating cap, about 1 in. in length, fits over the upper end of the body, and has a small grub screw for clamping the connecting lead.

The contact element consists of a length of stout brass wire with a pointed end. This wire extends up through the centre of a coil spring, and is screwed into the solid part of the cap. When the cap is fully depressed, the contact point protrudes a short way through the conical end of the body of the prod, thus allowing contact to be made.



This shows an external and a sectional view of the improved "Ealex" test prods reviewed herewith.

These prods are made in two colours—red and black, and the retail price per pair is 3s. 6d.

TEST RESULTS.—We attached lengths of flex to our sample test prods, and found that the clamping screws held the wires securely in position. The sharp contact points allowed good contact to be made, even on dirty surfaces. We found these prods particularly useful when testing sets with intricate wiring and screening. Voltages at the anodes of valves could be measured without fear of the user shorting vital points or receiving shocks.

Mechanically the prods are sound, and we can thoroughly recommend them to the dealer and service man.

J. E. Stott, 15, Clare Hill, Huddersfield.

"Transphonia" Combined Sound-Box and pick-up.

DESCRIPTION AND PRICE.—The appeal of this device will be mainly on the score of novelty, for it can be used as a gramophone sound-box, an electric pick-up, a microphone, or, in conjunction with a horn, as a loud-speaker. It consists essentially of a thin aluminium diaphragm, whose centre point, besides being attached to the stylus bar, is attached to the reed of an electromagnetic unit mounted behind. This diaphragm is flat at the circumference and is pressed out in the form of a shallow cone at the centre, the apex so produced being the fixing point for the stylus bar and unit. The diaphragm is clamped annularly by two rings of rubber, which, in turn, are clamped between an aluminium ring and the front of the case. The stylus bar is pivoted about $\frac{1}{2}$ in. from the needle holder and a small screw holds it to the diaphragm at the other end.

A hollow moulding of a black material holds the electrical pick-up unit, and is screwed to the diaphragm clamping ring. The unit is of the single acting reed type and is adjustable, the knob for this purpose being at the back, and the reed is attached to the diaphragm by the screw which also fixes the end of the stylus bar. There is no damping arrangement in the unit itself for, apparently, the diaphragm is effective in this capacity. Connection is made to the pick-up (or loud-speaker unit) by a 3 ft. length of flex.

The retail price of this instrument, complete with an adaptor for different tone-arms, is £2 2s. It is of continental manufacture.

TEST RESULTS.—On test the device was found to give reasonable results when used in each of the possible ways, but in none of them was it outstandingly good. The sensitivity in each case was well up to modern

standards, but the tone was rather poor. The bass and the extreme high frequencies were lacking, while there seemed to be a prominent peak in the middle region, resulting in a rather hollow tone. As stated earlier, the appeal of a device of this nature is mainly one of novelty, and the sample we have is, in addition, nicely constructed and finished, both internally and externally. Although not up to modern standards in tone, it is the type of device that will quite possibly have a good appeal, and it certainly works in all of its many guises.

The "Kone Dope" Co., 54, Idmiston Road, E.15.
"K.D." Double-Linen Diaphragm Kit of Parts.

DESCRIPTION AND PRICE.—This kit contains a set of parts, complete from the main frame down to a brush for applying the "dope," for building a 16 ins. by 14 ins. double-linen diaphragm speaker chassis. The kit contains the following:—Front and back frames, with linens and cone washers fixed in position, four 2B.A. screwed rods with 20 nuts (all of brass), a 6d. bottle of "Kone-Dope," a brush, and battens for mounting the driving unit.

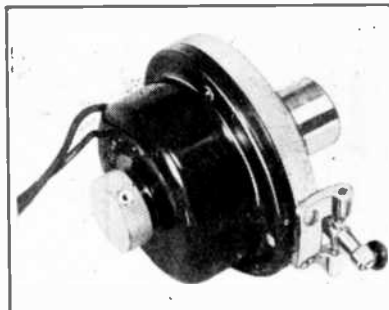
The frames and battens are of solid oak, and the linens are mounted, the edges being covered with an ornamental paper. All the holes necessary for the construction are drilled, with the exception of those required in the batten which carries the unit.

To complete the diaphragm, the brass rods are set up in the appropriate holes, the small frame placed in position, and the linens doped and stretched by means of the nuts which work on the rods. The unit is then mounted on its batten which, in turn, is attached to the battens on the smaller frame, and the screw in the bush of the cone washers is tightened on to the driving rod of the unit.

Price, complete with assembly instructions, 19s. 6d.

TEST RESULTS.—We built up our sample set of parts into a complete chassis, and found that the instructions were clear and sufficiently detailed to enable anyone to make a success of the job. To get sufficient rigidity of the cones, we found that two coats of the "dope" supplied were advisable, and the bottle provided contains enough for this. Incidentally, the dope is apparently not of the cellulose type, but resembles ordinary gum.

The completed chassis was then fitted with a well-known proprietary unit, and compared with standard speakers. Naturally, results depend on the type of unit used, and also on whether the speaker is used in a cabinet or not. Tested without a cabinet, the completed speaker gave a volume up to standard, with a good bass, and fair high note reproduction. The bass, as is often the case with this type of speaker, was a little drummy. However, the results were quite pleasing and would probably appeal to most people.



The ingenious "Transphonia" combined sound-box, pick-up, microphone, and loud-speaker unit.



A view of the set of parts for building the "Kone Dope" linen diaphragm speaker chassis. A completed chassis is at the back.

CORRESPONDENCE

The Editor is pleased to receive communications on matters of interest to the Trade. Letters intended for insertion must be accompanied by the name and address of the writer as a guarantee of good faith. No responsibility is taken by the Editor for opinions expressed by correspondents.

"A Question for Factors to Answer."

To the Editor.

SIR,—In a leading article of your issue of June 21st, you invited "leading wholesalers" to give their views upon the two points raised by your Northern correspondent.

Although by no means a "leading wholesaler" in the generally accepted sense of the word, this firm claim to have set a "lead" in regard to the second point raised.

We started wholesaling radio in 1923, in conjunction with other lines, but from time to time found it advisable in the interest of *bona fide* radio dealers to drop our other lines such as cycle, motor, photographic and electrical goods, and for the past two years we have handled solely radio lines.

It is our contention that as long as our travellers and salesmen are calling upon cycle agents, garages, chemists, and electrical contractors who only "dabble" in radio they will be tempted to order, for instance, a battery or two and a valve for the "private use of the buyer or his friends," as you remark in your article.

Therefore, having concentrated solely upon radio, our representatives are definitely confined to *bona fide* radio dealers.

We have now gone further, and this is where we claim to be, in one sense, a "leading wholesaler": As soon as we read in the columns of THE WIRELESS & GRAMOPHONE TRADER Mr. Shearman Dyer's masterly article, we immediately applied for a supply of W.R.A. Anti-price-cutting Vote Post Cards and asked each one of our customers to sign. Having obtained a signed card from the whole of our customers, with one solitary exception, we handed them to the W.R.A., saying: "Here is a complete list of our customers. We will definitely undertake to supply no firm or individual outside this list provided other wholesalers will do the same. We invite any member of your Council to inspect our list, and if your Council decide that anyone on that list is not a *bona fide* radio dealer we will strike him off and refuse to supply him. Moreover, we will submit any new name for your approval before adding it to our list."

Our contention is that if "leading wholesalers" will follow suit, the path of the "dabbler," and therefore the price-cutter, will be made extremely difficult if not impossible.

It is common knowledge that radio dealers are flatly and persistently "refused terms on motor or other goods handled jointly with radio by his factor," which is, of course, the correct state of affairs. Why then should not the *bona fide* radio dealer be as closely protected? He can—if he will only take up his pen and demand it.

A. F. HITCHCOCK, Director,
FLINDERS (WHOLESALE) LTD.

COLCHESTER.

To the Editor.

SIR,—In reply to your question addressed to factors in your leading article of the June 21st issue of THE TRADER, regarding the distribution of radio goods, this is, as you state, a matter of policy and ethics.

We have customers who have a large window devoted to wireless goods, and another to car accessories. Another customer, who is a motor and cycle dealer, owns a wireless demonstration van, and he is one of the most efficient wireless experts in the city.

The largest firm of wireless dealers here is an ironmonger,

and most of the piano and music traders run a wireless business as well. Again, practically all the cycle and motor factors have a wireless section, so you will appreciate that we are up against a tough problem.

Our policy is as follows: A man must get his living by the trade; have suitable premises for carrying on the business; and hold a representative to supply the district in which he lives.

If a cycle dealer asks for gramophone lines he is told that the usual opening order is three machines and 50 to 100 records. Further, he is expected to carry a representative stock of spares.

If a music dealer asks for a tyre for his car, he is told that £20 worth of stock is the smallest that we supply. If he grumbles and says that, in his opinion, we ought to sell him one, we ask him to put himself in the place of the other man, and he usually sees our point.

Dealers can easily find out who are standing by them loyally, and place their orders accordingly. The solution is quite clear; it is just a matter of policy and ethics.

A MIDLAND FACTOR.

The Detex Trading Policy.

To the Editor.

SIR,—With reference to the copy of a letter sent to the R.M.A. by Mr. Eisler, of Detex, Ltd., and published in your "Correspondence" columns of the June 21st issue of THE TRADER, I, as a retailer, agree with his remarks and think that the small manufacturers should have a chance. To my mind they are just as important as the large concerns.

From Mr. Eisler's letter it appears that his firm is not one of the latter, and I would like to point out to him that there is the small retailer who also wants a chance—a point which Mr. Eisler seems to forget.

I wrote to Detex, Ltd. on May 10th, and received a reply on May 12th, giving details of their policy and a promise that literature would be mailed during the next three days. This is not yet to hand.

They also stated that no order must be for less than two sets, and that not less than two sets must always be in stock. So I would say to Mr. Eisler: Give the small retailer a chance, and don't press for an order of two sets, especially with those dealers who have not yet seen or had a demonstration.

RALPH OTTON.

CASTLE CARY, SOMERSET.

[Note.—A copy of the above letter was submitted to Mr. Eisler, of Detex, Ltd., inviting him to give his remarks on it. These are published below.—EDITOR.]

To the Editor.

SIR,—I have read with considerable interest Mr. Ralph Otton's letter to you.

In the first place we must apologise for not having forwarded literature, which omission was entirely due to extreme pressure of business. This has now been remedied.

As, however, Mr. Otton admits having received details of our policy, and as he is evidently a reader of THE TRADER, he has no doubt read an amplified announcement on this subject. I do not consider that we are in any way unreasonable to a small trader in asking him to invest just over £10 in return for the very real protection we are giving him. We definitely do not supply any but genuine radio dealers and on no account do we supply price-cutters.

As we do not deal through factors we are able to control our distribution and it is absolutely impossible for undesirable dealers to obtain our products.

We claim to be the first firm of manufacturers to give this protection to the dealer, although our announcement was closely followed by that of another manufacturer.

As our list of stockists is definitely limited, we think it is reasonable to ask them always to have a set in stock, and the stocking of two more or less ensures their having a set in stock pending replacement of any that they may have sold.

As regards Mr. Otton's assertion that I class my company as one of the small manufacturers, if he will again refer to my letter he will find I refer to "smaller" manufacturers, as obviously we do not challenge comparison with large firms having millions of pounds of public capital. DETEX, LTD.

LONDON, S.W.1. R. EISLER, *Managing Director.*

Unsatisfactory Programmes.

To the Editor.

SIR,—AS THE TRADER is apparently the only mouthpiece through which it is possible to reach those whose very existence is in peril, I wish again to bring forward the most common, yet least discussed matter influencing the radio industry. I refer to the programme question, but I must this time couple it with the question of the very inferior quality of recent transmissions, badly balanced orchestras and the lack of good singers as far as broadcast voices are concerned.

The B.B.C. are killing the wireless trade. The programmes are not alternative in the sense that was intended by those who first suggested such an arrangement. It is most disheartening and disgusting that we should always be having it thrown at us that "Wireless is not much good"; "We seldom have our set working as there is hardly a programme a week that is of any interest to us"; "My friend was going to have a wireless set but I advised him to get a gramophone as the programmes are so dull." These are the remarks that we hear daily, and I defy the B.B.C. to prove that the programmes they are giving are of general appeal.

Can it be expected that the majority of the public will invest in a portable wireless set, costing about £20, to take out on a picnic or to the tennis courts, to hear talks on psychology, symphony concerts, chamber music or church organ music? Yet this is the type of "Light summer time programmes" we are having. The manufacturers who show advertisements displaying beautiful damsels in punts, picnic parties sitting under trees or by cooling streams, with one of "our featherweight chummy sets" are, I suggest, leading the public astray.

A question well worth the asking is "Do you hear members of the public discussing the pleasant evening's entertainment they had on the wireless last night?" to the same extent that you hear them recommend the fine film or good show they saw last night? Can a person ask a friend to "Come to the picnic or on the river and we will have some jolly radio music?"

When the glorious "gods" of the B.B.C. talk about switching off if programmes are not acceptable, do they realise that perhaps over two-thirds of those who have paid for entertainment are being deprived of their money's worth (remember that besides the 10s. licence, there is the initial outlay on the set, the maintenance and depreciation of the set to consider when computing the amount paid for the entertainment). *Let us have really alternative programmes, talks and highbrow from one station, light popular music and variety from another, both stations being of equal range and power; and why not at least two request programmes per week?* (These could be organised by newspapers.)

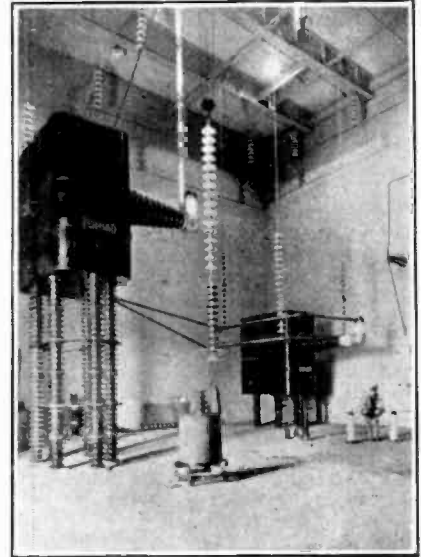
The best solution of the whole problem would be to let out one station for advertising programmes and the revenue derived from such programmes go towards a

fund for English songs for English singers, a home for discharged programme arrangers, or a special dummy transmitter for cranks to croak into and a staff to write to them congratulating or commenting on their remarks.

The falling-off of battery charging is one of the chief proofs of the unpopularity of the programmes.

Anyone who is continually travelling about the country would testify that I am voicing the complaint of the greatest number of listeners and prospective listeners when I assert that the B.B.C. are not providing the programmes calculated

A million - volt Ferranti transformer installed in the high tension insulator testing laboratories of Steatite & Porcelain Products Ltd., at Stourport.



to improve business and make broadcasting the power it should be.

It is strange that all our "active" organisations, societies, associations, federations and the like connected with the industry seem absolutely frightened or disinclined to get anything done to brighten the programmes, and it makes one wonder if a good many officials are looking for other more remunerative work on the books of the B.B.C. A ballot on the question of programmes or a petition on the lines of the recent "Price-cutting" voting card could and should be arranged, before it is too late.

Now the writer feels better. He has written a strong letter on the programme question, as requested by many customers. It is to be sincerely hoped that this will not end the discussion, but that a few more traders will follow his example and speak on behalf of the multitude of listeners who have lost heart.

THIRSK.

"SUFFERER."

A Warning to Yorkshire Traders.

ACCORDING to a correspondent, a serious case of "dabbling" is affecting trade in the Settle, Yorkshire, district. An individual, not considered to be in the trade, is stated to have billheads on which he claims to be a radio retailer, and a number of wholesalers have already supplied him with portable sets, in which he is specialising at the present time.

Upon being informed by *bona fide* dealers in the district of this man's true position, many factors have issued instructions that he is not to be supplied, but nevertheless, he still seems to obtain goods. In addition, in one instance he is reported to have sold a 23-guinea portable at only £1 over trade price.

Needless to state, Settle dealers will supply the name of the man in question to other legitimate traders.

Another nuisance in the district, we learn, is an alleged "factor," stated to be from the Lancashire coast, who travels round in his van and keeps "dabblers" and price-cutters supplied with goods.

Naturally, legitimate retailers and wholesalers in the locality will have nothing to do with either of these gentlemen, but the damage that they are doing to trade is stated to be considerable.

NEW

The K-B. 198 Wave Trap.

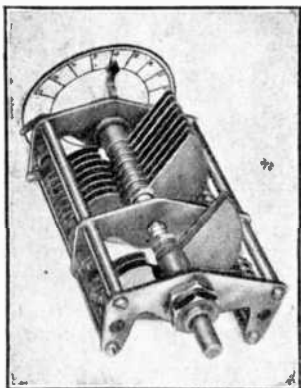
Deliveries commenced on Tuesday of an entirely new wave-trap, the K.-B. 198, which has just been produced by Kolster-Brandes, Ltd., of Cray Works, Sidcup, Kent. This has been designed to overcome the interference experienced by users of unselective receiving sets under the Regional scheme. The components are contained in an attractive moulded bakelite case of small dimensions. Adjustment of a single knob effects the elimination of the unwanted station, and three tappings are provided, enabling the trap to be suited to the requirements of local conditions.

The list price of the trap is 14s. 6d., and orders should be sent to local K.-B. area depots.

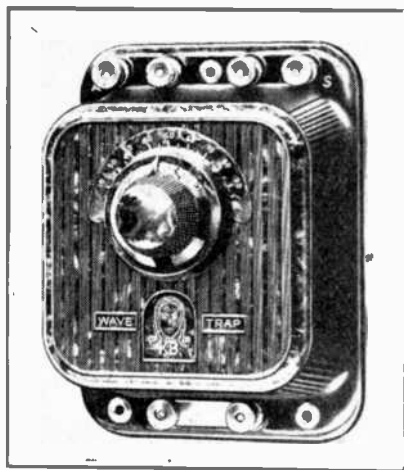
Unusual Polar S.W. Condenser.

An interesting variable condenser, of an entirely new type, has just been marketed by Wingrove & Rogers, Ltd., of 188-9, Strand, London, W.C.2. This has been designed specially for short-wave reception, and consists essentially of two condensers, connected in parallel and built into one frame. It is of the one-hole panel mounting type, the smaller condenser, known as the tuner, being controlled from the front, and having a maximum capacity of 20 μ F. The larger condenser, known as the tank, has a maximum capacity of 100 μ F. and is operated from the back by a small knob, which also rotates an ivory dial with a scale graduated into 10 divisions. A pointer is so arranged that the setting of the tank can be clearly seen from the front. Three soldering tags are provided for connecting purposes, two being in contact with the fixed plates, and the other with the frame which, of course, is connected to the moving vanes.

The construction of the condenser throughout is excellent, which is to be expected with a "Polar" component. Plain bearings are fitted at the ends and



One version of this new "Polar" short wave condenser will be especially suitable for the 10 metre band, and will sell at 12s. 6d.



The K-B 198 wavetraps—see column one.

special phosphor bronze single ball bearings at the centre.

When in use, the tank is used for tuning the coil to the wave-band on which it is desired to receive, and the tuner, which is in parallel, enables a number of stations to be spread over a large part of the dial.

The above condenser, which is suitable for use on wave-bands of 15 metres and upwards, is priced at 15s., and another model for use on the 10 metre band is shortly to be marketed at 12s. 6d.

Magnum "Spaghetti" Resistances.

Burne-Jones & Co., Ltd., of 296, Borough High Street, London, S.E.1, are now marketing a range of Magnum "Spaghetti" resistances in values from 1,000 to 50,000 Ω . These resistances are flexible and are encased in short tubes of insulating material similar to "Systoflex," our sample, with a value of 10,000 Ω , being about 5½ ins. in length. The ends of the resistance element are connected to terminal tags. Resistances with values from 1,000 to 40,000 Ω are rated to carry 10 mA, while the 50,000 Ω type is rated at 5 mA.

The price of each of the above range is 1s. 6d., special sizes being available to order.

A New "Donotone" Speaker.

We have received from Donotone Loud Speakers, of 40, Furnival Street, London, E.C.4, a copy of their latest catalogue. This is a twelve-page booklet, well printed in two colours on art paper, and includes descriptions and illustrations of the firm's products.

In the centre pages, the new "Ideal" Donotone speaker is described. This is housed in a circular case 18 ins. in diameter and 9 ins. deep, with a neat fabric-backed grille at the front. It is fitted with tuned gongs, which are the exclusive feature of the Donotone, a patented composition diaphragm, and a unit of the same type as those fitted into the more expensive Donotone speakers. The "Ideal" speaker can be supplied finished in oak or mahogany, and is priced at £6 6s.

The catalogue also deals with the "Super" Donotone speaker, which is fitted with 32 tuned gongs and priced at 10 guineas; and the "Donogram," an all-electric radio-gramophone, priced at 75 guineas.

LINES

"Saxonia" Mercury Switch Tubes.

In view of the increasing tendency for the remote control of wireless receivers, it is of interest to note that the Saxonia Electrical Wire Co., Ltd., of Roan Works, Greenwich, London, S.E.10, are marketing an extensive range of inexpensive mercury switches for use with control relays. A mercury switch is, of course, an instrument in which mercury, by reason of its liquid nature, makes or breaks contact between two metal points when the container is tilted in the appropriate direction.

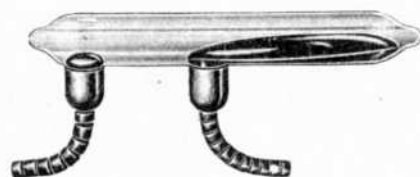
We have received a sample of the "Saxonia" pattern No. 4 two contact switch, which is rated to pass 2 A at 220 V, A.C. or D.C. This consists of a glass tube 1½ in. in length and ⅜ in. in diameter, with hollow projections at the bottom, into which the contact wires are fused. Mercury occupies about half the space inside the tube, while the remainder is filled with an inert gas which prevents oxidization and reduces arcing to a minimum. When the tube is tilted in one direction the main pool of mercury unites the smaller pools which collect in the projections of the tube and thus establish efficient contact.

Prices and illustrated lists of "Saxonia" mercury switch tubes are obtainable from the makers, and we understand that the Watmel Wireless Co., Ltd., of Imperial Works, High Street, Edgware, are at present developing movements for operating these tubes. We hope to publish details of these in the near future.

New Watmel Tuner.

The Watmel Wireless Co., Ltd., also announce the introduction of a new dual range coil, in the form of the "Universal" dual range tuner, type 31. This is of the vertical type, and stands on a hollow moulded bakelite base in which the wave-change switch operates. The long wave coil is wound on a brown moulded bakelite former, with the same mottled finish as the base, and the reaction and grid coils are wound on a cylindrical paxolin former which fits inside the long wave winding. Connections are taken to terminals mounted on the base, and wave-changing is effected by means of a built-in push-pull switch.

The dimensions of the tuner are 4½ ins. by 3½ ins. by 3½ ins. high, and the retail price is 17s. 6d.



The "Saxonia" mercury switch tube, described above.



**kill the 'Slack Season' Myth
with the Marconiphone '55'!**

**See
Inside**

Concentrate on Portable '55' during Months

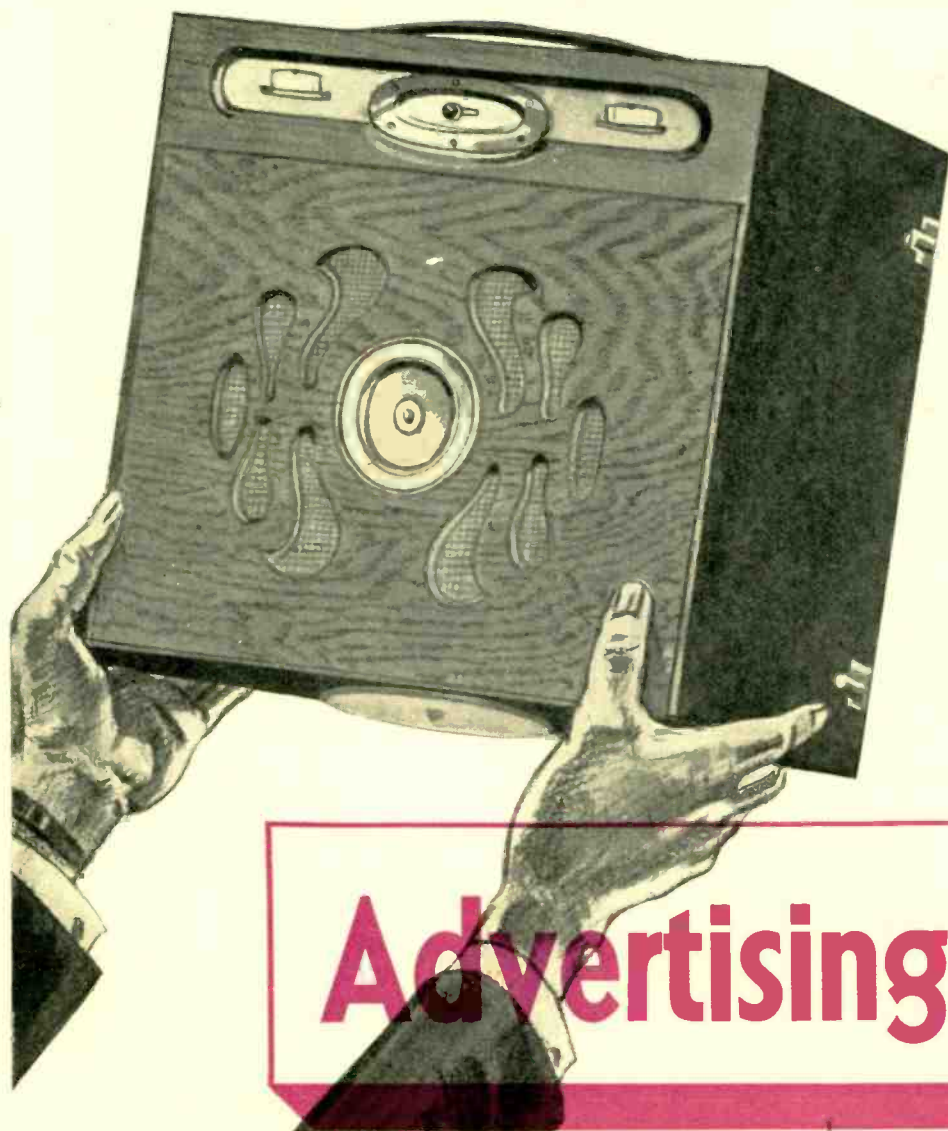
Here are details of a co-
assistance in making reco
Display and Talk '55' to
effort you will experience
our offer to secure your

50/50

2. We will supply every
 - (a) Special streamer for
 - (b) A special '55' show
 - (c) Stereos for the 1
 - (d) A special '55' ba

We are also offering the
1st Prize, \$

All photographs entered for this com



Advertising in RAD

Marconiphone ring the Holiday

comprehensive scheme in which Marconiphone are offering you valuable ad sales during the two big holiday months. Advertise! Demonstrate! everyone in your district! If you will come in with us on this great two record months while others are complaining of slack trade. Here is co-operation.



1. We will share the cost up to 50 per cent. of any local advertising for the '55' you are prepared to do during July and August, providing your suggestions are first approved by us. This includes local press, films, circularising, etc., etc.

dealer with :—
r the front of his window.
vcard.
ocal press.
:kground for the window.



FREE!

(e) Draft letters on the '55' for local mailing.

following prizes for the best '55' window during July and August.
1st Prize, £10 ; 2nd Prize, £5 ; and ten £1.1.0 Prizes

Competition must be in our hands by August 30th. This competition will be judged by some well-known trade personalities who will be appointed later.

The July number of "Radio" is to feature a special competition offering similar prizes to the public for interesting photographs of the use of the Portable Radio. These photographs must be sent in through dealers so that dealers will be able to establish contact with the entrants and the prize money must be spent with the dealer through whom the photographs are received.



**Come in on this
Special Summer Drive
and let us show other Trades
what can be achieved by
Initiative, Energy
and Enthusiasm in
Retail Salesmanship**

Write now to

**The Marconiphone Sales Development Dept.
Radio House, 210 Tottenham Court Rd., London, W.1
for**

**Ideas and Assistance in Developing
your share in this great Summer
Campaign**

LATEST RECORD REVIEWS

This week we review the July issues of Columbia, Dominion and H.M.V. records, the latest Winner and radio records and a selection of the latest Polydor discs.

Dance numbers having vocal refrains are marked with an asterisk ()*

Columbia Graphophone Co., Ltd.,
108, Clerkenwell Road, London,
E.C.

COLUMBIA

12 IN., LIGHT BLUE LABEL, 6S. 6D.

LX 31.—Hungarian Folk Tunes, Parts 1 and 2 (Bartok, arr. Szigeti), by Joseph Szigeti, with piano accompaniment.

Bela Bartok's arrangement of certain Hungarian folk tunes, arranged for violin by Szigeti, are excellently played by the last-named. The "composer" plays the piano part. The tunes are varied in character, but the wistful element predominates. Szigeti's tone is up to his usual recording standard, and in certain quarters the disc will be in demand. Recording is clear and in general excellent.

12 IN., DARK BLUE LABEL, 4S. 6D.

DX 59.—Marche Slav, Parts 1 and 2 (Tchaikowsky), by the Regimental Band of H.M. Grenadier Guards.

Another good recording in the Central Hall, Westminster. The well-known Marche Slav makes a fine piece for this famous Guards band. The recording is characterised by clarity and fullness of tone. The various instruments are all very clearly heard in their natural timbre. An impressive military band record.

DX 62.—Operatic (Famous Operatic Melodies), Parts 1 and 2 (arr. J. H. Squire), by the J. H. Squire Celeste Octet.

Another selection by J. H. Squire, similar to his "Classica," already recorded. This time the choicest melodies of opera have been drawn upon and they are here tunefully played by the famous Celeste Octet in their usual style. The recording is good, and it is not too heavy. An attractive disc.

DX 65.—Der Selt' ne Betev, Parts 1 and 2 (Loewe), by Ivar Andresen, bass, with piano accompaniment.

This piece, "The Man Who Seldom Prayed" is extremely well sung by Andresen, who is the possessor of an extremely rich voice. The singing is in German, words are clear and the recording both of voice and piano excellent. A pleasing disc.

DX 66.—Toccata in F (Widor) and **The Ride of the Valkyries** (Wagner), by Quentin M. Maclean.

The organ of the Regal Cinema, London, is here taking itself seriously. The Widor Toccata (from his Fifth Symphony) is very well managed and the pedal notes are clearly heard. The Wagner also comes over well. Both sides are characterised by a certain clarity which is attractive, and the tone, if not as mellow as that associated with cathedrals, is pleasant to hear.

10 IN., DARK BLUE LABEL, 3S.

DB 130.—Cavalleria Rusticana—Intermezzo and Tales of Hoffmann—Barcarolle, both organ solos by Terance

Casey on a Wurlitzer instrument.

The first of these was recorded in the Regent Cinema, Brighton, and the second in the Tivoli, London. There is not much to choose between the two, and in each case the recording falls short of the ideal. The very high notes, particularly with certain stops, seem rather woolly and lacking in clarity on our pressing. Otherwise, there is nothing of which to complain. Both pieces are very popular, and should command a ready sale for the disc.

DB 132.—The Driver of the 8.15 and Aylesbury Ducks, by Malcolm McEachern, bass, with piano.

The first is a well-known song of this artist, of "Plotsam and Jetsam" fame. It is the song of an engine driver. The second is a dialect song about Bucks ducks and duckies. Both are attractive, and the singer's deep voice is well reproduced. Good.

DB 136.—Somewhere a Voice is Calling (Tate) and **Angels Guard Thee** (Gard), by Master John Bonner, boy soprano. First with piano accompaniment, second with orchestra and organ.

Both songs are, of course, well known and are very well sung by Bonner. His voice is particularly pleasing, and his enunciation is excellent. This disc should have a big sale. Recording clear and forward.

DB 137.—Mighty America and Carry On, banjo solos by Ernest Jones, with Leslie Bartlett at the piano.

Two good banjo solos, well played and recorded, but not in any way outstanding. They can be recommended to those who want this type of disc.

DB 138.—Regimental Marches, Parts 5 and 6, by The National Military Band under Stanford Robinson.

This, and DB 139, continues the selections of regimental marches being recorded by Columbia. A six-page folder describing these discs is available. The notes are by Walter Wood, and contain much interesting reading matter concerning the various regiments. The recording is clear and full, and the playing is precise and clean.

DB 141.—Over the Garden Wall and Wallah-Malaka-Lucy, sung by Leslie Sarony.

A pair of characteristic and amusing light songs given by Sarony in his usual style. The accompaniments by a dance combination are particularly good. The record will be bought by Sarony enthusiasts.

DB 145.—Dance of the Paper Dolls and The Squirrel Dance, xylophone and vibraphone solos by Rudy Starita.

Rudy Starita makes use of two well-known novelty numbers to demonstrate his mastery of the xylophone and vibraphone. It is a good record without being outstanding, and the second number is the better of the two. Accompaniments are provided by piano, accordion and saxophone.

Dominion Records, Sessions House,
Clerkenwell Green, London. E.C.1.

DOMINION

10 IN., RED LABEL, 1S. 6D.

C 310.—The Stein Song (6-8*) and Punch and Judy (F.T.).

C 311.—Singin' in the Bathtub (F.T.*) and Perhaps (F.T.*), by Jay Wilbur and his orchestra.

A straightforward and spirited version of the hit "The Stein Song," with a harmonised vocal chorus (American version), which tends to get a little ragged towards the end. "Punch and Judy," not to be confused with "The Punch and Judy Show," is a tuneful novelty number which is very capably managed.

C 311 contains quite a lively version of the "Bathtub" number from "The Show of Shows." Recording generally good.

C 312.—Hot Moments (F.T.) and I'm in Love with Someone (W.), by the All Star Trio.

The All Star Trio, an unconventional combination, have made quite a bright hot dance record here, both numbers having plenty of rhythm. Good recording.

C 313.—Cryin' for the Carolines (F.T.*) and I'm Singing My Way Round the World (F.T.*), by the Deauville Dance Orchestra.

The Deauville Dance orchestra give these numbers "semi-hot" treatment, with a good basic rhythm and plenty of solo work. "Cryin' for the Carolines," from the film "Spring is Here" is the best-known. Good recording.

C 314.—Vesti La Guibba (Leoncavallo) and **Sea Rapture** (Coates), by Tom Burke, tenor, with orchestral accompaniment.

"On with the Motley" from Leoncavallo's Pagliacci, is here well sung in Italian by Tom Burke. His rendering is expressive and should appeal to many. The reverse is likewise well managed. Recording is apt to sound constricted, with not quite enough bass.

C 315.—Singin' in the Bathtub, sung by Betty Brown and **Huggable, Kissable You,** by Phil Arnold.

Betty Brown sings with an accent and her voice may not appeal to everybody, but she certainly does know how to put "pep" into her number, the popular seller from "The Show of Shows." The accompanying orchestra backs her up very well.

"Huggable, Kissable You," is now past its prime, and this version should have been issued months ago.

C 316.—We're All Happy and The Barmaid's Song.

C 317.—We're Uncomfortable and Sweet Fanny Adams, all by Henry Henty, comedian, with orchestra.

Four songs of the music hall type by

Henry Hearty, a comedian with a Yorkshire accent. Most of the songs open with a spoken passage, and the singer is aided by a chorus in most cases. Of the four, "We're Uncomfortable" is the best known. None of them are exactly high-class songs, but they will appeal to a certain public. The recording is good, while there is a bright accompaniment.

C318.—Mountain Stream, by Frank Kamplain, yodelling, and **The Shepherd's Serenade**, by the Honolulu Serenaders, Hawaiian quartet.

The first is a fairly well-known yodelling number, which we find to be rather boring. The number on the reverse, from the film "Devil May Care," is, however, very good indeed. It is played by a combination of a violin and several guitars. The recording is very good indeed.

C319.—Gypsy Dream Rose and Sil'ry Moon, by The Honolulu Serenaders, Hawaiian quartette.

One of the best discs of its type we have heard. Both numbers are excellent ones for this type of combination, the second being a waltz which is fairly well known. Both sides have vocal refrains.

The tone is excellent, the violin and guitars being reproduced exceedingly naturally. A notable record at the price.

C320.—Ballet Egyptien, Parts 1 and 2 (Luigini), by the Dominion Orchestra.

The piece is, of course, well known. The orchestra does not put much light and shade into the proceedings, and the tone colour is often wry. The string section is weak.

321.—Up the Street (Morse) and Lights Out (McCoy), by American Military Band.

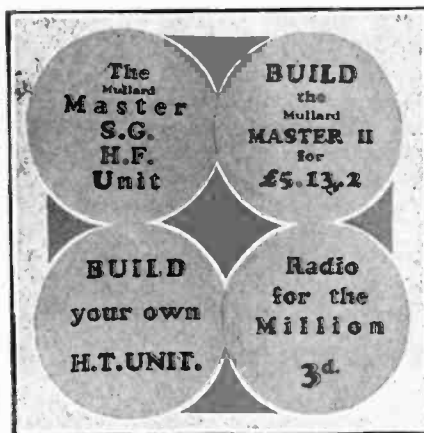
Two popular marches are here smartly played by an unnamed band. The recording lacks bass and is not free from resonance effects.

Edison Bell, Ltd., Glengall Road, London, S.E.15.

WINNER

10 IN., GOLD LABEL, 2S.

5122.—Albert Chevalier Memories, Parts



Traders who are selling "Radio for the Million" will be interested in these window circles now being issued by Mullard. They are 8" in diameter printed in black on yellow paper, and sets of five will be sent by the manufacturers on request.

1 and 2, By James Craig, with orchestra.

It may be remembered that last month Edison Bell issued a selection of Harry Lauder Memories, which had been arranged with spoken links so as to form a more or less connected whole. This disc is on similar lines, and contains a good selection of Albert Chevalier's popular music-hall songs. Very complete versions of all songs are given, and James Craig imitates Chevalier's style very well. The recording is good. This disc is another addition to the new gold label long-playing series.

5133.—Vocal Excerpts from "Lilac Time," Parts 1 and 2, by the Savoy Light Opera Singers and Players.

The music of "Lilac Time" is ever fresh, and there is plenty of excuse for another vocal selection, particularly as this one is very good value at the price. The disc has a gold label and is very full. The recording is clear, and in many cases the words are heard better than in much more expensive versions. The voices, too, are exceedingly good. A disc to stock.

10 IN., RED LABEL, 2S.

5123.—I'm Following You (F.T.*) and Love, Your Spell is Everywhere (F.T.*), by the Blue Jays.

The Blue Jays adopt the straightforward "melody" style of playing which pleases most people. "I'm Following You," is in good demand and comes from the film "It's a Great Life," but the second number is older, and "The Trespasser," of which it is the theme song, has now been released for some time. Good recording.

5124.—Drivin' The Geese to Market and Make the World a Little Bit Happier, by Randolph Sutton, with orchestra.

Two bright songs in Randolph Sutton's usual jolly style, the second being particularly lively, and the orchestra join in a laughing chorus. The recording is good.

5125.—"Here Comes the Bride"—Selection, Parts 1 and 2, by the Scala Concert Orchestra.

Quite a good selection from this musical show, including most of the "hits," such as "High and Low" and "I'll Always Remember." The recording is quite good, and this disc can be recommended as containing an inexpensive version of the music of the show.

5126.—Moanin' for You and Molly, sung by Hal Brown, with orchestra.

These two popular numbers from the film "The Grand Parade" are crooned in a pleasant, subdued style by Hal Brown, and the record should sell well to those who have seen the film. Good recording.

5127.—Heave-Ho and Tantivy, by Walter Barker, with piano.

Two burlesque songs composed by Mr. Barker himself, and sung and recited in a style reminiscent of Billie Pennett. The first has a nautical and the second a hunting flavour. The words are rather feeble at times, but on the whole the disc is quite amusing and is well recorded.

5128.—March of the Prophets (Meyerbeer) and March Militaire (Schubert), by Metropolitan Police Band.

Two popular marches are here played by the "W" Division Police Band. Of the two, the Meyerbeer is better played, since the Schubert lacks "pep." The playing is more careful than brilliant,

but for those who want the pieces the disc will serve a useful purpose. Recording good.

5129.—Chopin Melodies, Parts 1 and 2, by the Scala Salon Orchestra.

The music rather belies the title, the first side containing little that was written by Chopin. The music from the "Damask Kose" is arranged by Clutsam and well played by the orchestra. The valse in D flat, the E flat Nocturne, are the chief Chopin pieces. Recording good.

5130.—With a Song in my Heart and The Wind in the Willows, by Sam Browne, with orchestra.

This disc contains nicely sung and recorded versions of two of the most popular songs from Cochran's 1930 Revue. The first is probably the more successful, but the second is also a most attractive song. This should be popular.

5131.—Love's Coronation (Aylward) and At Dawning (Cadman), by Wilfrid Hudson, tenor, with instrumental accompaniment.

Two well-known songs are capably managed by the singer. His voice is perhaps a little throaty, but he sings in a manner which ought to sell this disc. Accompaniment is by violin, 'cello and piano. Recording good, and of medium volume.

5132.—Chant Hindou (Rimsky-Korsakov) and Canzonetta (Ambrosio), by Jean Marcu, violinist with piano accompaniment.

The violinist has "temperament" but is a little inclined to let this lead him off the note occasionally. Both, however, make interesting listening and should appeal to many. The violin tone is remarkably good. Recording excellent.

5134.—Under a Texas Moon (F.T.*) and The Stein Song (6-8), played by the Paramount Rhythm Boys.

The first is a particularly good foxtrot from the film of the same name, and it is played in a very bright style. The spirited version of the "Stein Song" on the reverse will make this record a ready seller.

RADIO

8 IN., 1S. 3D.

944.—Margarita and Reine de Musette—Waltz, by A. Mortarelli, accordion solos with orchestra.

The first of these numbers is in two-step tempo, while the second is a fairly fast waltz. Both are in a "continental" style, this effect being heightened by the accordion, which is very well handled. The recording is clear.

1333.—Melancholy and There Will Never be Another Mary, sung by Stanley Kirkby.

Stanley Kirkby can always be relied upon to produce good straightforward renderings of popular numbers, and this record is no exception. "Melancholy" will sell the disc, the second song being a rather heavily sentimental affair from the Van and Schenck film, "They Learned About Women." Good recording.

1341.—The Sunshine of Marseilles (F.T.*) and Molly (W.*).

1342.—Sil'ry Moon (W.*) and My Fate is in Your Hands (F.T.*).

1348.—Body and Soul (Blues*) and Fancy You Falling for Me, all played by Alfredo and his band.

A group of current numbers, all more or less equally popular at the present time. They are played with a view to melody and all have a good steady rhythm for dancing. The first two discs will probably be the best sellers. The recording is up to the usual standard.

1343.—Singin' in the Bath-Tub and I've Got One Arm 'Round Mary, by Randolph Sutton, with orchestra.

The first is the very popular song from the film "The Show of Shows," and opens with some very effective "scrubbing" noises produced by Mr. Sutton in his bath. The second song we have not heard before, but it is an amusing little ditty, which goes with a swing, largely due, of course, to the popular music-hall artist, Randolph Sutton. In each case the recording is very good, and the disc is a bright and lively one, which should be stocked.

1344.—"The Love Parade"—Selection,* Parts 1 and 2, by Harry Hudson's Melody Men.

A good low-priced "Love Parade" selection, which should sell well if featured in connection with the film itself. All the important numbers are included, and they follow one another smoothly except for a break in the middle of "The March of the Grenadiers." Good recording.

1345.—The Stein Song* and 'Leven-Thirty Saturday Night (F.T.*), by the Radio Melody Boys.

Another version of the remarkably popular "Stein Song," complete with a lusty harmonised vocal chorus. It is coupled with a very bright new number, which is likely to go well. The Radio Melody Boys play it in a stylish manner, with plenty of life and rhythm. 1345 should be a "best-seller" from the present "Radio" bulletin.

1346.—Gunga Din and His Lute and Airman, Airman! by Walter Miller, with Harry Hudson's Melody Men.

Gunga Din is here described as a snake charmer from Wigan (and is therefore no relation to Rudyard Kipling's character)! Both songs are of the "novelty" type, and are popular at the moment. They are rendered with suitable effects, and the band join in at times, and also provide a bright accompaniment. Recording very good. This disc should be popular.

1347.—Deep River and De Blin' Mar Stood on de Road an' Cried, by Marcus Browning, baritone with piano accompaniment.

Here we have an excellent little disc. The singer has a pleasing voice and contrives to make the most of these Negro spirituals. If anything, a more straightforward rendering would have been welcome. The recording is clear, both of voice and piano.

1349.—The Crowning of the Cotton Queen and Princess Elizabeth, by Dick Henderson, with orchestra.

The first is more or less a publicity song for the cotton industry. It is a bright song well rendered by Dick Henderson, with a lively orchestra. The second is a waltz song dedicated to Princess Elizabeth, and personally we find it rather too drawn out as here rendered, while the singer persists in pronouncing the name as "Elizibeth." Otherwise, quite a good disc.

1350.—O Flower of All the World and Mifanwy, by Ivor Evans, tenor, with instrumental accompaniment.

This Welsh tenor has a pleasing voice and handles these songs excellently. He is accompanied by violin, 'cello and piano. The disc should have a good sale as the recording is good.

1351.—In the Still of the Night and Love, Your Spell is Everywhere, sung by Sam Browne.

Sam Browne sings in his usual pleasant ballad style, although the two numbers he has chosen are not of any particular interest. There is an orchestral accompaniment. Good recording.

The Gramophone Co., Ltd., Hayes, Middlesex.

HIS MASTER'S VOICE

10 IN., RED LABEL, 6S.

DA 785.—Indian Love Call ("Rose Marie"—Friml) and Deep in My Heart, Dear

("The Student Prince"—Romberg), by Fritz Kreisler, violin, with piano accompaniment by Carl Lamson.

Many critics will complain that by playing and recording this type of music, Kreisler is lowering himself. Yet the pieces, though somewhat sugary, lend themselves well to treatment as violin solos, and Kreisler has certainly produced a disc that will be attractive to many, though it is not cheap at 6s. The playing is, of course, superb, with some excellent double stopping. The recording is excellent.

DA 1095.—Russian Nightingale Song (Alabieff), and (a) Clavelitos (Valverde), (b) Estrallita (Ponce), by Galli-Curci, soprano, first with orchestral accompaniment, second with piano accompaniment.

Galli-Curci is in splendid form on this disc. The first affords her ample opportunity of exhibiting her amazing technical skill. The singing with the flute obbligato will delight many. "Clavelitos" is beautifully managed, while the well-known "Estrellita" forms an excellent contrast. The recording is excellent, and customers will want this disc.

10 IN., BLACK LABEL, 4S. 6D.

E 557.—Matroschor (Sailors' Chorus) ("Der Fliegende Holländer"—Wagner) and Jagerchor (Huntmen's Chorus) ("Der Freischutz"—Weber), by the chorus and orchestra of the State Opera House, Berlin, under Dr. Leo Blech.

Here are two operatic excerpts sung in German. The first, from the "Flying Dutchman," is a well-known piece. Both are inspiring fragments, very clearly sung and recorded, with a fine orchestral accompaniment. This should be popular with opera lovers.

12 IN., PLUM LABEL, 4S. 6D.

C 1887.—Les Cloches de Corneville—Selection (Planquette), Parts 1 and 2, by the Band of H.M. Coldstream Guards.

An excellent selection from this popular

old-time light opera, which contains some well-known pieces. The Coldstream Guards give a very fine rendering, and play with precision, while the recording is clear and natural. A good military band selection, which will remind many people of sea-side bandstands.

10 IN., PLUM LABEL, 3S.

B 2429.—O, Lovely Night (Ronald) and Chanson Napolitaine (D'Ambrosio), by the Cedric Sharpe Sextet.

Sir Landon Ronald's "O Lovely Night" is a favourite piece for this type of combination, and it is here nicely played. The D'Ambrosio piece on the reverse is also good. The disc is well recorded, and can be recommended to those who like light and tuneful music.

B 3450.—"High Society Blues"—Medley and Cryin' for the Carolines, syncopated piano solos by Raie Da Costa.

A first-class syncopated piano record for customers who are interested. Apart from "High Society Blues" itself, the medley includes "Just Like in a Story Book" and "I'm in the Market for You," both of which are featured in the



Mr. D. Mellor standing at the door of his shop in Derby Lane, Liverpool, where he also runs an efficient battery charging service for his numerous customers.

film. "Cryin' for the Carolines," from "Spring is Here," includes some ingenious variations, and the piano recording reaches a high standard.

Keith Prowse & Co., Ltd., 159, New Bond Street, London, W.1.

POLYDOR

12 IN., BLACK LABEL, 6S. 6D.

66892.—L'Après-midi d'un Faune, Parts 1 and 2 (Debussy), by Orchestre de l'Association des Concerts Lamoureux, Paris.

Debussy's masterpiece, is not too well handled by this body of players. The orchestra needed more rehearsing and has failed to express the sensual nature of the music. It seems that modern France has lost sympathy with this out-of-date composer, and certainly here there does not seem to be the necessary understanding of his ideas.

The recording is clear, forward and free from scratch.

66893-4.—L'apprenti Sorcier, Parts 1 to 3 (Dukas) and Baba Yaga (Liadow), by Orchestre de l'Association des Concerts Lamoureux, Paris.

Paul Dukas' little joke does not seem

to be wearing very well. His lavish use of the whole-tone scale and augmented triad soon tires the ear, and after repetition, the music sounds rather thin. The orchestra has stressed the comic idea underlying the music to the limits of a farce. The Liadow pieces makes a fairly good contrasted fourth side. Recording clear in the main.

12 IN., GREEN LABEL.

27179.—Light Cavalry—Overture, Parts I and 2 (Suppé), by the Opera Orchestra, Berlin-Charlottenburg.

Next to the "Poet and Peasant," this is probably Suppé's best-known overture. On this disc it is marvellously recorded,

with a very full and spacious tone. The bass is fine, while the brass is heard with its characteristic "splutter." Very good indeed.

10 IN., GREEN LABEL, 3S.

23023.—Waltz in D Flat Major ("Sylvia"—Delibes) and **Whispering of a Gentle Breeze** (Jensen), by Michael Zadora, pianoforte.

Another excellent example of Polydor piano recording. The instrument is a Bechstein Grand, and its wonderful "singing" tone is faithfully reproduced, the upper register being entirely free from "woodiness." The pieces here are light little trifles, and are excellently

played by Zadora, to his own setting. A piano disc that can be thoroughly recommended.

23089.—Ich bin Verliebt (T.*) by Paul Godwin's Dance Orchestra, and **Wegen ein' Mannsbild den Kopf Verliev'n (To Lose One's Head because of a Man) (W*)**, by Ilja Lipschakoff and his dance orchestra.

The tango is a very tuneful number, beautifully played, and having a vocal chorus sung in German. The same remarks might well apply to the waltz, and although there is no vocal work, some excellent instrumental solos are featured

GRAMOPHONE NOTES AND NEWS.

Latest Goodson Releases.

Owing to pressure on space, reviews of the latest Goodson non-breakable records are held over until our next issue. The complete supplement for July comprises twelve new recordings, the majority being dance numbers by American bands.

Keith Prowse Stockrooms.

Keith Prowse & Co., Ltd., of 159, New Bond Street, London, W.1, have given us details of their stockrooms which will be held from Monday next, in various important centres throughout the country.

Messrs. Drewett and Burchell will be in attendance.

PERIOD.	PLACE.
July 7th-July 31st.	159, New Bond Street, W.1.
July 28th-Aug. 1st.	King's Head Hotel, Sheffield.
Aug. 11th-Aug. 15th.	Grosvenor Hotel, Hull.
Aug. 11th-Aug. 15th.	Imperial Hotel, Birmingham.
Aug. 18th-Aug. 22nd.	Victory Hotel, Leeds.
Aug. 18th-Aug. 22nd.	Black Boy Hotel, Nottin.,ham.
Aug. 25th-Aug. 29th.	Grosvenor Hotel, Manchester.
Aug. 25th-Aug. 29th.	Grand Hotel, Leicester.
Sept. 1st-Sept. 5th.	North-Western Hotel, Liverpool.
Sept. 1st-Sept. 5th.	Royal Hotel, Bristol.
Sept. 8th-Sept. 12th.	Geon. e Hotel, Glasgow.
Sept. 8th-Sept. 12th.	Royal Pier Hotel, Southsea.
Sept. 15th-Sept. 19th.	Douglas Hotel, Aberdeen.
Sept. 22nd-Sept. 27th.	Geon. e Hotel, Edinburgh.
Sept. 29th-Oct. 4th.	Royal Turk's Head, Newcastle-on-Tyne.

A large range of lines manufactured or handled by Keith Prowse will be on view. These are to include various models of Electramonic electrical reproducers and radio-gramophones, a range of new Symphony gramophones, the popular Burmese colour needles, and several other lines, including Polydor records.

Decca Activities.

"Bigger and Better Premises for Bigger and Better Trade!" is the title of a folder now being circulated to the trade by the Decca Gramophone Co., Ltd. Containing several photographs of Decca's new premises in Brixton Road, as well as glimpses of their gramophone factory, and recording studios, the folder also bears reproductions of Decca publicity material printed in numerous foreign languages—including Chinese.

In addition, Decca have issued a list of stockrooms, which will be held during the next few months, together with the names of the representatives in attendance.

These are as follows:—

Mr. J. MORRIS.	
Grand Hotel, Bristol	July 29th-31st.
Royal Hotel, Plymouth	Aug. 18th-20th.
Wyde Hotel, Exeter	Aug. 21st-22nd.
Midland Hotel, Birmingham ..	Aug. 25th-29th.
Park Hotel, Cardiff	Sept. 2nd-4th.
Mr. H. SIMONS.	
Bell Hotel, Norwich	July 23rd-24th.
Crown Hotel, Southampton	Aug. 11th-14th.
Royal Pier Hotel, Southsea	Aug. 18th-21st.
Clarence Hotel, Brighton	Aug. 25th-28th.
Mr. A. G. BURCHELL.	
1 and 3, Brixton Road, S.W.9. . .	July 7th-11th.
Mr. A. R. MORRIS.	
Grand Hotel, Leicester	July 7th-8th.
Grand Hotel, Sheffield	July 9th-11th.
Victoria Station Hotel, Nottingham ..	July 9th-11th.
Grand Hotel, Manchester	July 14th-25th.
St. Enoch Street Hotel, Glasgow ..	July 28th-Aug. 6th.
N. British Street Hotel, Edinburgh ..	Aug. 7th-9th.
Hotel Metropole, Leeds	Aug. 11th-15th.
Royal Turks Head Hotel, Newcastle ..	Aug. 18th-22nd.
Stock Hotel, Liverpool	Aug. 25th-29th.
Grosvenor Hotel, Hull	Sept. 3rd-5th.

Examples of the complete range of Decca machines and instruments will be available for inspection at all these stockrooms.

COMPANY ACCOUNTS.

Columbia (International), Ltd.

A profit of £24,946 for the year ended May 31st, is revealed in the accounts of Columbia (International), Ltd., who are controlled by the Columbia Graphophone Co., Ltd. This profit compares with £65,286 in 1928-29.

A sum of £4,952 has to be deducted for the sinking fund provision for the 6½ per cent. debentures, and the remainder of the profit is added to the carry-forward, making it £33,309. No dividend is declared on the issued share capital of £852,822, as against 5 per cent. for 1928-1929.

In the balance-sheet holdings in subsidiary and associated companies at cost amount to £1,101,752. The following statement pursuant to the Companies Act, 1929, is attached to the balance-sheet:—"The profits of the subsidiary companies are included in the profits of the company to the extent only of the dividends declared in respect of their last financial years. The accounts of one subsidiary show a loss for the last financial year. No provision for this loss has been made in the accounts of this company, but the subsidiary has declared no divi-

dend, and the loss has been applied in reduction of the surplus shown in its balance-sheet."

The directors of the Columbia Graphophone Company announce that, although Columbia (International) is not paying a dividend this year, owing to the fact that the major part of its investments is in America, where conditions are abnormal. This should not necessarily be taken as an indication of a reduction in net earnings of the Columbia Graphophone Company for the current year.

A meeting will be held on July 7th.

Universal Gramophones.

In the first accounts of the Universal Gramophone & Radio Co., for the period November 2nd, 1928, to December 31st, 1929, a loss of £46,736 is shown. The report states that this loss is the result of causes which will be explained in full at the annual general meeting.

The company's turnover, it is stated, is steadily increasing, and since the date of the balance sheet the firm have acquired the world's manufacturing and selling rights (except in South Africa and in the American continent) of the "Racon" horn.

A meeting was held yesterday, July 4th.

Itona Gramophones.

The second report of Itona Gramophones, for the year to March 31st last, states that there is a net profit for the year amounting to £9,514 which compares with £9,851 for the previous period of just under six months.

The Ordinary dividend is to be 5 per cent. and £1,113 was written off preliminary expenses. The previous dividend was at the rate of 8 per cent. per annum and £1,457 was written off.

Dominion Gramophones.

Under a compulsory winding-up order made on June 2nd against Dominion Gramophone Records, Ltd., the statutory first meetings of the creditors and shareholders were held on Tuesday at the Holborn Restaurant.

Mr. E. T. A. Phillips, Official Receiver, in the course of his speech said the balance sheet showed a trading loss of £29,575 for the year ended March, 1929. The company had been in financial difficulties ever since, although Debentures for £20,000 were issued. The whole of the assets were charged by the Debentures, and were valued at £45,000 if they could be sold as a going concern, but otherwise they might not yield more than £5,000.

The shareholders voted unanimously in favour of the liquidation being left in the hands of the Official Receiver.

COMMERCIAL INFORMATION

GAZETTE.

Ambassador Talking Machine Co., Ltd. Meeting of creditors will be held at 11.30 a.m. on July 7th, at 18-28, Peterborough Road, Parsons Green, London, S.W.6.

Basson Electrical Co., Ltd. At an extraordinary general meeting held on June 25th, at 18, Tib Lane, Cross Street, Manchester, it was resolved that the company be wound up voluntarily, and that Frank Harrop, I.A., 10, Norfolk Street, Manchester, be appointed liquidator. At a meeting of creditors on June 25th this appointment was confirmed.

Receiving Orders.

Spence, Herbert F., 2, Eureka Terrace, Honiton, Devon, trading as **H. F. Spence & Sons**, High Street, Honiton, electrical engineer, etc. Court: Exeter. Date of petition: June 12th. Date of order: June 26th. Creditor's petition.

Horn, Thomas J., 5, Harrogate Parade, Moortown, Leeds, trading as **Thomas Horn & Co.**, electrician, etc. Court: Leeds. Date of petition: May 21st. Date of order: June 25th. Creditor's petition.

Receiving Order, First Meeting, and Public Examination.

Le Butt, Colonel R., 177, Regent Street, London, W.1, lately trading at 53, Great Marlborough Street, London, W.1, electrical engineer, etc. Court: High Court of Justice. Date of petition: February 19th. Date of order: June 19th. Creditor's petition. First meeting: 11.30 a.m., July 9th, at Bankruptcy Buildings, Carey Street, London, W.C.2. Public examination: 11 a.m., August 19th, same place.

Receiving Order, Adjudication, First Meeting and Public Examination.

Noble, John H., 74, Bede Burn Road, Jarrow, Durham, trading at 12, High Bridge, Newcastle-on-Tyne, electrical engineer, etc. Court: Newcastle. Date of petition and order: June 23rd. Debtor's petition. First meeting was held on July 4th at the Official Receiver's office, 81, St. Mary's Place, Newcastle-on-Tyne. Public examination: 10.30 a.m., July 23rd, at the Court House, 50, Westgate Road, Newcastle.

First Meeting and Public Examination.

Kendrick, Charles, 12, Newcomen Street Kingston-upon-Hull, and trading at 52, George Street, and 94, Bright Street, Kingston-upon-Hull, wireless dealer, etc. Court: Kingston-upon-Hull. First meeting was held at 11.30 a.m. on July 4th, at Official Receiver's office, 37, Scale Lane, Hull. Public examination: 2 p.m. on July 21st, at the Guildhall, Alfred Gelder Street, Hull.

First Meeting.

Gramophone Cabinets, Ltd., 79, Lots Road, Chelsea, London, S.W., formerly 8, Grafton Street, Bond Street, London,

W.1. Court: High Court of Justice. Creditors: 11.30 a.m., July 9th, at 33, Carey Street, London, W.C.2. Contributories: 12 noon, same day and place.

Winding-up Order.

Mayfair Electric Gramophones, Ltd., 15, Copthall Avenue, London, E.C.2. Court: High Court of Justice. Date of petition: May 30th. Date of order: June 23rd.

Appointment of Liquidator.

The Bowyer-Lowe Co., Ltd., Radio Works, Letchworth, Herts. Court: High Court of Justice. Liquidator: F. E. Bendall (with a committee of inspection), 4, Charterhouse Square, London, E.C.1. Date of appointment: June 5th.

Appointment of Trustee.

Hanson, Thomas S., 26, Nether Hall Road, Doncaster, electrical contractor, etc. Court: Sheffield. Trustee: Thomas A. Stoker, I.A., 71, Albion Street, Leeds. Date of appointment: June 27th.

Releases of Trustees.

Davies, Harold W., and **Davies, Reginald A.**, trading as **Davies Bros.**, 34, Mill Street, Crewe, wireless dealers, etc. Court: Nantwich and Crewe. Trustee: Cyril Pyke, 12, Lonsdale Street, Stoke-on-Trent, Official Receiver. Date of release: June 2nd.

Whiting, John L., 4, Portland Street, Newark, electrical engineer, etc. Court: Nottingham. Trustee: Leslie A. West, 22, Regent Street, Park Row, Nottingham, Official Receiver. Date of release: June 5th.

Herety, John, trading as **J. Herety and The Clubman's Stores**, 106, Regent Road, Salford, gramophone dealer, etc. Court: Salford. Trustee: F. Murgatroyd, Byrom Street, Manchester, Senior Official Receiver. Date of release: June 10th.

Harrison, Ernest E., 27, School Lane, Heaton Chapel, Lancs., electrician, etc. Court: Stockport. Trustee: John D. Turner, Byrom Street, Manchester, Official Receiver. Date of release: June 10th.

Kelly, Stanley S., 59, North Road, Durham, electrical engineer, etc. Court: Durham. Trustee: Herbert J. Armstrong, C.A., 2, Saville Place, Newcastle-upon-Tyne. Date of release: June 3rd.

Dividend.

Coller, Lawrence J., 1, Grange Avenue, Leicester Forest East, and trading as **J. and F. Coller**, electrical engineers, etc. Court: Leicester. First and final dividend of 6s. 5½d. in the £ payable on July 9th at Official Receiver's office, 1, Berridge Street, Leicester.

Dissolution of Partnership.

Parkinson, William, and **Hamer, Herbert**, trading as **The P. & H Engineering Co.**, Back Wyre Street, Padiham, electrical engineers, etc. Dissolved: June 23rd. Debts: William Parkinson, who continues the business under the same style.

Receivership—Appointment.

Ridged Cone Co., Ltd. H. O. Barnsley, of 44, Bedford Row, W.C.1, was appointed receiver and manager on June 16th, 1930, under powers contained in debenture dated November 30th, 1929.

Mortgages and Charges.

Apfelbaums, Ltd. Debenture dated June 16th, 1930, to secure £500, charged on the company's property, present and future, including uncalled capital. Holder: Mrs. J. Apfelbaum, 7, Wellington Street East, Higher Broughton, Salford.

"**M.P.A.**" **Wireless (1930), Ltd.** Particulars filed of £25,000 debentures and bonus of 12½ per cent. authorised June 13th, 1930, charged on the company's undertaking and property, present and future, including uncalled capital and goodwill, the amount of the present issue being £17,580.

Rowe Trading Co., Ltd. Mortgage debenture dated May 29th, 1930, to secure £500, charged on the company's undertaking and property, present and future, including uncalled capital. Holder: Mrs. M. Rowe, 7A, Brondesbury Villas, Middlesex.

Campbell & Addison, Ltd. Particulars filed of £15,000 debentures authorised May 20th, 1930, and covered by trust deed dated May 20th, but not actually created until May 30th, 1930, charged on the company's undertaking and property, present and future, including uncalled capital, the amount of the present issue being £7,200. Trustees: C. R. Akers and E. Woodhouse.

Radiograph, Ltd. Mortgage debenture dated June 17th, 1930, to secure £400, charged on the company's undertaking and property, including uncalled capital. Holder: Mrs. Nellie West, 10, Church Hill Road, Handsworth, Birmingham.

Loud Speaker Co., Ltd. Debenture dated June 20th, 1930, to secure £1,075, charged on the company's undertaking and property, present and future, including uncalled capital. Holder: A. E. Harris, 25, Holly Park, Finchley, Middlesex.

County Court Judgments.

The following returns have been received from the Registry of County Court Judgments, Treasury, Whitehall, which purports to contain lists of judgments entered up in the respective County Courts of England and Wales, but no distinction is made on the register between actions for debts or damages or properly disputed cases; neither is it known which of the judgments remain unpaid at the present time: and it is probable that a large proportion of them have been settled between the parties or paid. It may also be observed that some of the judgments registered are against defendants in a representative capacity. The name given is that of the defendants: the amount is that for which judgment was given, and the date is that on which it was given.

A. E. Brown & Co., 60, Newington Green, London, N., wireless dealers. Court: Greenwich. £15 is. 5d. May 29th.

Hyde, J., Engineers Arms, South Western Road, Salisbury, Wilts., wireless engineer. Court: Salisbury. £26 6s. 6d. May 29th.

Erackenburg, P. S., 35 Southend Road,

London, N.W.3, wireless engineer. Court: Westminster. £21 2s. 9d. May 20th.

Brega's Radio Service, 305, King's Road, Chelsea, S.W.3, wireless dealers. Court: Westminster. £17 13s. 1d. May 21st.

Truphonic Radio, Ltd., Truphonic House, Hanover Park, Peckham, wireless manufacturers. Court: Brentford. £56 2s. 9d. May 30th.

Pennock, Austin, G. L., Primrose Hill Street, Coventry, wireless agent. Court: Coventry. £10 14s. June 4th.

Noble, J. Hall, 12, High Bridge, Newcastle-on-Tyne, wireless engineer. Court: Newcastle-on-Tyne. £18 os. 9d. June 4th.

McEllin, J. H., Church Street, Audley, Stoke-on-Trent, wireless dealer. Court: Westminster. £13 2s. 1d. May 23rd.

Massey, G., 11, Chester Road, East Shotton, Ches., wireless dealer. Court: Birmingham. £26 10s. 3d. May 28th.

George Biggs & Son, 5, Claypond Lane, Brentford, wireless dealers. Court: Birmingham. £10 5s. 1d. May 22nd.

Barchou, S. (trading as **Electroveyors**), 4, High Road, Willesden, N.W.10, wireless engineer. Court: Bloomsbury. £16 8s. 2d. June 6th.

Sheffield Wireless Depot, 178, Norfolk Street, Sheffield, wireless dealers. Court: Marylebone. £14 14s. 7d. May 30th.

Adey Radio, Ltd., 99, Mortimer Street, W.1, wireless dealers. Court: Marylebone. £13 11s. 6d. June 4th.

Private Arrangements.

Charlie Creswick Atkinson, 35B, High Street, Bedford, radio engineer.

The creditors interested herein were called together on June 24th at the offices of Keen, Shay, Keens & Co., I.A., New Broad Street, London, E.C., when a statement of affairs was presented disclosing liabilities of £2,691 10s. 9d., of which £904 18s. 9d. was due to the trade. There were cash creditors for £900, and the bank were creditors for £406 12s. 2d. In addition there was a partly secured creditor for £500, the security held being valued at £20, leaving £480 ranking as unsecured. The assets consisted of cash in hand £21 13s.; book debts, estimated to produce £172 3s.; stock in trade valued at £126 2s. 3d.; office furniture, etc., £56 2s. 1d.; and motor car valued at £30, making total assets of £406 os. 4d., from which had to be deducted £18 12s. 5d. for preferential claims, leaving net assets of £387 7s. 11d., or a deficiency of £2,304 2s. 10d.

Mr. Keens reported that there was an excess of liabilities over assets as at September 30th, 1928, of £1,051 6s. 4d. After leaving the army, the debtor was employed with a wireless firm in Bedford, and afterwards with the Halcyon Wireless Co., Ltd., and he was connected with that firm when they brought out their first portable wireless set. He left them in 1925 and then commenced business on his own account in Bedford with a capital of £15. An association advanced him £100 and two friends also provided £100 each, so that his actual available capital was £315. The loan from the association and the two friends had since been repaid, and their places had been taken by the present loan creditors. At June 30th, 1927, a balance sheet was prepared, as well as further accounts since. For the fifteen

months ending September 30th, 1928, the turnover was £3,105; there was a gross profit of £896, and a loss of £397, while the drawings had been £504. In the following year the turnover was £3,689; there was a gross profit of £806, a loss of £520, and the drawings had been £240. Mr. Keens stated that the debtor attributed his position to the abnormal cost of advertising, travelling expenses, etc., the slump in trade at the commencement of 1930, which caused bankrupt stock to come into the market in competition, and also to lack of capital. Mr. Keens added that, provided the creditors would agree to the estate being dealt with privately, three of the cash creditors would withdraw their claims. After some discussion the resolution was passed agreeing to a deed of assignment being executed in favour of Mr. Keens as trustee. It was also understood that all suing costs incurred by creditors should be paid in full.

The following are among the creditors:

Bedford Electrical Radio Co.	£48
Barrow, Hepburn & Gale	23
Celestion Radio, Ltd.	25
Cossor, A. C., Ltd.	30
Graham Amplion, Ltd.	38
General Electric Co., Ltd.	36
Hunt, A. H., Ltd.	14
Mullard Wireless Service Co.	56
Marconi's Wireless Telegraph Co., Ltd.	150
Ripaults, Ltd.	54
Standard Insulator Co.	24

Alfred Mudie, trading as **The National Radio and Electrical Services**, 621, Pollockshaws Road, Glasgow.

A meeting of the creditors of the above was held recently, when a statement was submitted which showed liabilities of £114 1s. 6d. After allowing £6 for preferential claims, the net assets were £162 9s. 11d., or a surplus of £18 8s. 5d. It was stated that the debtor was anxious to pay the whole of the liabilities in full, and thought he could obtain sufficient to pay a dividend of 10s. in the £ cash, the balance by two equal instalments at three and six months. The opinion was expressed that the offer should be accepted, failing which it was decided the matter should be dealt with under a trust deed.

The following are creditors:—

Tideman, C. J.	£16
Lever (Trix), Ltd., Eric J.	16
Accumulator Co. of Scotland	14
Steinberger, H. & S.	12
Garnett, Whiteley & Co., Ltd.	11
Creditors under £10 each	45
Allow for creditors unascertained	25

Voluntary Liquidation.

C. F. Young, Ltd., 13, Upper Charles Street, Leicester, wireless factor, etc.

Pursuant to Section 238 of the Companies' Act, 1929, a meeting of the creditors in this matter was held on June 25th, at the Leicestershire Trade Protection Society's offices, 4, New Street, Leicester. Prior to the liquidation the shareholders had passed a resolution nominating Mr. T. F. Birch, C.A., of A. C. Palmer & Co., Friar Lane, Leicester, to be the liquidator of the company. The liquidator submitted a statement of affairs which disclosed liabilities of £3,052 17s., of which £2,778 18s. 2d. was due to the trade. There were cash creditors for £273 18s. 10d., and receiver's liabilities totalling £277 11s. 2d. From those amounts had to be deducted the cash in the hands of the receiver totalling £219 16s. 8d., leaving an amount of

£1,080 1s. to rank. Total assets were £2,253 16s. 6d. and net assets £1,124 19s. 9d., or a deficiency of £1,927 17s. 3d. Debentures were raised to satisfy pressing creditors. Mr. F. S. Aspell, of Aspell & Barnes, C.A., Leicester, was appointed receiver for the debenture holders on February 24th, 1930. The bank were cash creditors but did not hold any direct security.

After discussing the question it was resolved that the nomination of Mr. Birch as liquidator be confirmed. A committee of inspection was also appointed to act with the liquidator, consisting of Mr. MacMillan, representing creditors; Mr. Cripwell, of Corfield & Cripwell; and Mr. F. E. Bendall. The liquidator said that negotiations were in progress to sell the business as a going concern, and the creditors would be notified in due course as to the result of such negotiations.

The following are some of the creditors:

Aeonic Radio, Ltd., London	£25
British Thomson-Houston Co., Birmingham	13
Blackwell, F. C. & Co., Liverpool	74
Belling & Lee, Ltd., Middlesex	19
Burton, C. F. & H., Walsall	15
Chorlton Metal Co., Ltd., Manchester	36
Edison Swan Electric Co., Ltd., Ponders End	60
Ferranti, Ltd., Hollinwood	16
Holzman, Louis, London	17
Hunt, A. H., Ltd., Croydon	31
Johnson & Philips, Ltd., London	73
M. K. Electric, Ltd., London	14
Partridge, Wilson & Co., Leicester	36
Rolls Caydon Sales, London	10
Siemens Electric Lamp Co., Ltd., London	10
Stearn Electric Co., Ltd., London	78
Sphinx Electric, Ltd., London	21
Tungram Electric Lamp Works, Ltd., London	90
Universal Gramophone & Radio Co., London	116
Vulco Dry Battery Co., Ltd., London	12
Wilkins & Wright, Birmingham	15
Wolf, F. Arne, Berlin	117
Wingrove & Rogers, Ltd., London	10
Creditors under £10	263
Bankers	273

Bankruptcies.

William James Licence, 3, Priory Street, Dover, Kent, and 30, Palace Street, Canterbury, wireless dealer, etc.

The receiving order herein was made on the debtor's own petition. According to the statement of affairs filed there are liabilities of £2,058 os. 4d., and net assets of £1,356 2s., leaving a deficiency of £701 18s. 4d. The debtor attributes his failure to "Commencing business on borrowed capital; indiscriminate selling of goods under hire purchase agreements; heavy overhead charges, and domestic expenses; increasing competition during the last two years; costs of proceedings by creditors."

It appears that the debtor commenced business on his own account as a musical instrument dealer on March 13th, 1923, with a capital of £80, £20 of which he borrowed from his wife, and subsequently repaid. He acquired for £60 the unexpired term of 18 months of the lease of the premises, the remainder of his capital being expended in the purchase of fittings, etc. In order to obtain stock, he borrowed £150 in the following month, and later another £50 from his father-in-law, but under pressure repaid £100 in April, 1925. He paid off the remainder at subsequent dates, leaving £10 for interest unpaid. In order to make these repayments to his father-in-law, he obtained an overdraft at this bank, under guarantee from a relative and a friend, the former remaining liable for £100.

(Continued on page 25.)

Commercial Information

(continued from page 24).

On March 13th, 1926, the debtor opened a branch business at 30, Palace Street, Canterbury, obtaining a lease for 7 years of the premises, which he stocked with goods from his Dover shop. It is stated that this business has been successful. During the winter of 1927, a showroom was erected at the rear of the premises at Dover, and other alterations were made, at an estimated cost of £175, and the sale of wireless goods was also commenced. The debtor became aware of his position in July, 1929, and states that the best period of his trading was during 1927, when takings reached £75 per week. Subsequently they fell to about £60 per week. During the past three years the debtor appears to have carried on an extensive H.P. business. Meanwhile, he was contracting liabilities which he was unable to meet, and on being served with a writ for £175 was advised by his solicitors to file his petition.

It appears that trading accounts were compiled by the debtor for the years 1923-4 and 1924-5, purporting to show net profits of £238 6s. 1d. and £249 17s. 5d. respectively.

Recordaphones Ltd., Radio Works, Letchworth, Herts.

Under a winding-up order made against this company recently on a creditor's petition, the statutory meetings were held a few days ago at Bankruptcy Buildings, Carey Street, London. The Official Receiver reported that the company was incorporated on October 18th, 1928, with a nominal capital of £200,000, divided into 300,000 8½ per cent. participating preferred shares of 10s. each and 1,000,000 deferred shares of 1s. each, and was formed to acquire the exclusive licence under British patents for the manufacture and sale of an electrical invention known as the "Recordaphone." The issued capital was £181,000, of which £110,000 was subscribed in cash and £71,000 was allotted as part satisfaction of the purchase consideration. In May, 1929, Mr. A. E. Bowyer-Lowe was appointed managing director for five years at a salary of £2,000 per annum,

plus 7½ per cent. of the net profits, the total remuneration not to exceed £3,000 per annum. Under the purchase agreement the company acquired of British Telegraphones Ltd., for £75,000 in cash and shares, the exclusive licence of the electrical invention for the recording and subsequent reproduction of sound known as "Recordaphone," and the benefit of an agreement with a firm of German manufacturers. A prospectus was issued on October 24th, 1928, offering for subscription 300,000 preferred shares of 10s. and 300,000 1s. deferred shares. The Scottish Finance Co., Ltd., agreed to underwrite 200,000 preferred and 200,000 deferred shares for an underwriting commission of 4 per cent. and an overriding commission of 1 per cent. payable in cash. The Scottish Finance Co. in turn entered into a number of sub-underwriting agreements, to which the company was not a party. The public issue was not a success, applications being received from the public for approximately 60 per cent. of the number underwritten. Although the Scottish Finance Co. received payment in full of the agreed underwriting and overriding commission, they had refused to accept any liabilities for the default of the sub-underwriters to fulfil their obligations, alleging that allotment to the sub-underwriters constituted an acceptance of the sub-underwriters' application for shares and operated as a release of the Scottish Finance Co. Proceedings had been instituted by the company against many of the sub-underwriters, but a number of them were now bankrupt, and there was little prospect of anything further being recovered from any of them.

In January, 1929, with a view to having a subsidiary for manufacturing purposes, the company agreed to purchase for £34,436 cash and shares, the undertaking of the Bowyer-Lowe Co., Ltd., of which Mr. Bowyer-Lowe was the managing director, and which carried on the business of radio manufacturers at Radio Works, Letchworth. Contrary to the expectations expressed by the directors, the company did not succeed in obtaining a sufficient demand for Recordaphones to start

manufacturing with the Bowyer-Lowe Co., Ltd. In fact, the company's endeavours to sell Recordaphones had proved entirely unsuccessful, and it was eventually decided to finance the Bowyer-Lowe Co. with a view to increasing that company's turnover in wireless apparatus to such an extent that Recordaphones Ltd. would receive a revenue by way of dividend on the Bowyer-Lowe shares—all of which it held—pending a demand for Recordaphones being created, and conditions of trade generally improving. The Bowyer-Lowe Co. was also in compulsory liquidation. No statement of affairs has yet been lodged, but it was expected that the creditors would be paid in full and there would be a small surplus available for distribution among holders of preferred shares.

Joseph Tucker, 30, Lower Ashley Road, late 876, Filton Avenue, both Bristol, late trading as **The Bristol Radiator Co.,** wireless dealer.

The first meeting of the creditors in this matter was held on June 25th at the Official Receiver's offices, 26, Baldwin Street, Bristol. The statement of affairs showed gross liabilities of £343 11s. 7d., of which £326 15s. 3d. was expected to rank, against assets of £28 14s. 9d. The debtor attributed his failure to illness, want of capital, and bad trade. The case, being a summary one, was left in the hand of the Official Receiver as trustee.

Harry Turner, 20, Battersea Rise, Clapham Common, London, radio contractors, etc.

The receiving order herein was made on June 11th, on the debtor's own petition. According to the statement of affairs submitted there are liabilities of £702 2s. 8d., against assets of £153 1s. 6d., from which have to be deducted preferential claims of £27 18s., thus leaving a deficiency of £576 19s. 2d. The debtor attributes his failure to falling off of trade and insufficient profits to meet overhead charges.

It appears that the debtor was a jobbing electrician until July, 1929, when he obtained a verbal tenancy at a rent of £2 a week of a lock-up shop at
(continued on page 26).

G.E.C. Annual General Meeting.

SUCCESS in all their numerous fields of activity was reported at the annual general meeting of the General Electric Co., Ltd., held at Magnet House, London, on June 25th. Sir Hugo Hirst, Bt., the managing director and chairman, presided.

Opening his speech, the chairman said that the year's profit of £1,179,000 was an increase of £90,000 compared with the previous year. The company's success was due in large measure to the great efforts of all classes of their workers. Referring to the grid electricity distribution scheme, the chairman said that a large amount of equipment had been supplied, including high voltage switches and transformers of a size not hitherto constructed. In the traction world the G.E.C. had obtained contracts for the Manchester-Altrincham railway, as well as for the Buenos Aires tube and London Electric Railways. In the sphere of illuminating engineering, the lighting of the Thames Embankment had been one of the biggest G.E.C. achievements, while the year had seen great strides made in power transmission.

The Radio Field.

Sir Hugo next made mention of the radio apparatus produced, and stated that despite ever changing designs and great competition the company had maintained a leading position.

Great importance was attached to research, and during the year they had made great efforts in this connection, the work done being of great national importance, as for that

matter, was the employment of 25,000 workers by the company.

Having dealt with some of the expenses that the firm have to bear—such as freight, rates and taxes, general running costs and the like—the chairman came on to the subject of export business, and announced that enormous expansion in this field had been achieved. He stressed the urgency of cultivating in particular the Australian market, in view of the recent tariff increases there, otherwise foreign concerns would take our place, with disastrous results to the country and the Empire as a whole.

The Future.

Sir Hugo wound up his speech with an expression of opinion that the present industrial trouble was due to the psychological effect which wild gambling on the world's Stock Exchanges has produced. He thought that with the co-operation of a Government in favour of the safeguarding of industries, in order to stop ever-increasing imports, the country would gradually reduce the evils from which it is suffering.

Having stated that a bonus of 4 per cent. for the year had been recommended, the chairman moved that the directors' report and the statement of accounts be approved and adopted. This was carried unanimously, as was the chairman's proposition that a 10 per cent. dividend and 4 per cent. bonus should be declared on the Ordinary shares of the company.

Commercial Information

(Continued from page 25)

20, Battersea Rise, Clapham Common. He borrowed £200 from a friend and commenced business under the name of H. Turner as a radio and electrical contractor. His trading was successful until January, 1930, when he obtained a 3 years' lease of the whole of the premises at a rental of £4 per week, on payment of a premium of £50, which was also borrowed from the same friend. After that date the profits began to fall and were insufficient to meet overhead charges, with the result that he got behind with his payments to creditors. The books of account kept consist of cash book, creditors' ledger, and day book, all of which are incomplete. The debtor became aware of his position in March, 1930.

The first meeting of creditors was held at 29, Russell Square, London, W.C.1, on June 30th, last. The case, being a summary one, was left in the hands of the Official Receiver as Trustee.

The following are creditors:—

Brownie Wireless Co. (G.B.), Ltd., London ..	£20
Kolster-Brandes, Ltd., Sidcup ..	103
L. E. S. Distributors, Ltd., London ..	120
Mullard Wireless Service Co., Ltd., London ..	37
Marconiphone Co., Ltd., Dagenham ..	13
Bankers, London ..	24
Wholesale Electric Lamp Co., London ..	22
Wholesale Fittings Co., Ltd., London ..	21
Turner, Mrs. H., London ..	195

Richards, Sydney Ernest, and Neilson, Alan Kelson, formerly trading as **Richards & Neilson**, 182, Tulse Hill, London, S.W.2, wireless engineers, etc.

The public examination of these debtors was held in the London Bankruptcy Court recently before Mr. Registrar Mellor. The joint statement of affairs showed liabilities of £554 and assets nil. It appeared that from November, 1924, the debtors traded in partnership with another person as electrical and wireless engineers under the style of Victor F. Lyon & Co., at a lock-up shop at the above address. In February, 1925, their partner withdrew from the business, and in consideration of his interest they gave him two promissory notes, one for £350, which they both signed, and the other for £250, which only Neilson signed. Afterwards they continued the business in equal partnership as Richards & Neilson, and arranged that the total amount payable to their late partner should be paid out of the business funds. Their late partner eventually accepted cash payments and goods making a total of £89 in full settlement of their indebtedness, and was relieved of any liability in respect of the business. The promissory notes which were not returned to them came into the possession of the widow of their late partner, who died in July last, and she began proceedings against Neilson for the recovery of a balance of £161 alleged to be due in respect of the note for £250. In April she obtained judgment. After September last the business was carried on by Richards, only owing to lack of capital and to bad trade, in February they disposed of its assets for £65. As proceedings were instituted for the recovery of £350 the debtors presented their petition in bankruptcy. They attributed their insolvency to lack of capital, to bad trade, and to liability on some promissory notes. The examination was concluded.

BUSINESS ITEMS.

A Belling-Lee Service.

It is interesting to note that Belling & Lee, Ltd., are always prepared to change, free of charge, the indications of their various terminals, if requested to do so by dealers.

It is possible that a dealer might find that he has in stock a number of terminals, plugs and sockets, etc., of more uncommon titles which are slow to sell in his district. Belling & Lee inform us that they will change them for any desired title in the same type of terminal, wander plug, etc., and are anxious that the trade should take advantage of this part of their service.

Leeds Factors Move.

The E.G.S. Co., Ltd., of 102-104, Albion Street, Leeds, have moved the electrical section of their business to Great George Street and Woodhouse Lane, Leeds. The telephone and telegraphic address remain the same as hitherto.

Mid-Season Trade List.

Bona-fide traders can obtain a copy of the latest trade catalogue of the Runwell Cycle Co., Ltd., from that firm's offices at Lawson Street, Birmingham.

In one section gramophones, gramophone accessories, wireless sets and components are listed. The catalogue's reference number is 486.

A Detex Correction.

Readers are asked to note that in the Detex advertisement on page 40 last week the firm's guarantee on their sets, through a printer's error, was stated to be two months. This, of course, should have read twelve months.

A Stratford Note.

Mr. Walter Jones, whose musical

business at Swadlincote has been joined with the radio undertaking of Mr. J. L. Harvey, has, we hear, just opened new premises he has had constructed in High Street.

Mr. Harvey has been in the electrical trade for 24 years, and has been interested in radio for ten years. At one time he held an important position in Madeira, and is stated to have been the first man there to receive wireless messages from England.

"Tannoy Products."

"Tannoy Products" is the new title of the Tulsemere Manufacturing Co. The address remains the same—1-7, Dalton Street, W. Norwood, London, S.E.27.

Changes in Yorks.

A travelling correspondent writes: O. Pickthall & P. Sutton have just opened a wireless, gramophone and electrical showroom at 11, North Lane, Headingley, Leeds, where they are trading as O. Pickthall. Mr. Pickthall himself was, prior to this, carrying on a business of his own at 4A, St. Michael's Road, Headingley.

They would be glad to be placed on manufacturers' and factors' mailing lists, and to receive showcards, catalogues and advertising matter.

Fred Marshall & Co. (Electricians), Ltd., have just moved from 9, Otley Road, to 10, St. Michael's Road, Headingley, Leeds. Now that they have taken on the Columbia agency, in addition to the H.M.V. which they previously held, they have found the need for larger premises generally, with audition rooms and electrical showrooms. Their telephone number remains the same as before—52518.

Mr. J. N. Lloyd, electrical contractor and wireless dealer, has just moved from Barwick Terrace to 76, Prospect Road, Scarborough.

He would like to receive showcards, catalogues and advertising matter at his new address.

We learn that Mr. F. Barlow has recently opened a gramophone and radio business at 329, Linthorpe Road, Middlesbrough, where he is trading as Barlow's. The firm desire to be placed on manufacturers' and factors' mailing lists, and to receive advertising matter.

Larger Premises in Glasgow.

Mr. Andrew Russell, recently of 1141, Pollokshaws Road, Shawlands, Glasgow, has now removed his radio and gramophone business to larger premises at 57, Kilmarnock Road, Shawlands, Glasgow, S.1.

Manufacturers' Lists, Please!

The Electrical & Radio Supplies Co., 4, St. Mary Street, Swansea, who are factors and importers, would like to receive catalogues and publicity material from manufacturers.

A Manchester Change.

We learn that Hardman & Co., Ltd., wholesalers, of The Baum, Yorkshire Street, Rochdale, have now transferred their Manchester branch from 13, Miller Street, to 61, Bridge Street, Manchester. Will the trade, kindly note this fact?

This Mullard poster gives a list of all the circuits of the "Master" sets, the most popular "home-constructor" circuits and also those of well-known commercial receivers. In each case the appropriate Mullard valves are indicated.

THE NUMBERS THAT MULTIPLY SALES



These are the three type numbers that mean everything to the sale of pentode radio valves. Radio design is making more and more use of the pentode valve for the output stage of a receiver and sales are steadily increasing in this direction. Mullard Pentode Valves are unapproachable for performance and service—this fact in addition to continual advertising has created a demand that means steady profit to the Trade.

MULLARD PENTODE

Advert. of The Mullard Wireless Service Co., Ltd., Mullard House, Charing Cross Road, London, W.C.2

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BULGIN
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There's no such thing as "after service"

The choice of critics



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BULGIN WALL JACKS
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THEY are sold and remain sold — moreover every satisfied customer is bound to bring more profit to your till by his recommendations.

THE Junior Wall Jack is constructed of highly polished bakelite, with nickel-plated fittings, takes any standard telephone plug, and can be supplied for series or parallel wiring. For room to room extensions there's no other device which can compare with it.

2/6
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Berlin 1930 in connection with the
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BERLIN 1930

verbunden mit der
PHONO SCHAU
1930

JEDER EINMAL IN
BERLIN

22.-31. AUGUST

Any further information will be readily given by the Ausstellungs-, Messe- u. Fremdenverkehrs-Amt der Stadt Berlin, 22. Konigin-Elisabeth-Strasse, Charlottenburg 9.

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INDUCTANCE COILS.

60 x	-	-	-	each	2/4
250 x	-	-	-	"	4/-
Titan Coils	-	-	-	-	12/6
Dual Range, 6-pin	-	-	-	-	6/-
H. F. Chokes, 200 to 2,000 metres	-	-	-	-	3/6
Binocular, ditto	-	-	-	-	3/6
L. F. Transformers, 3-1 and 5-1	-	-	-	-	6/6
Double Reading Voltmeters	-	-	-	-	5/6
Spring Aerials	-	-	-	-	9d.

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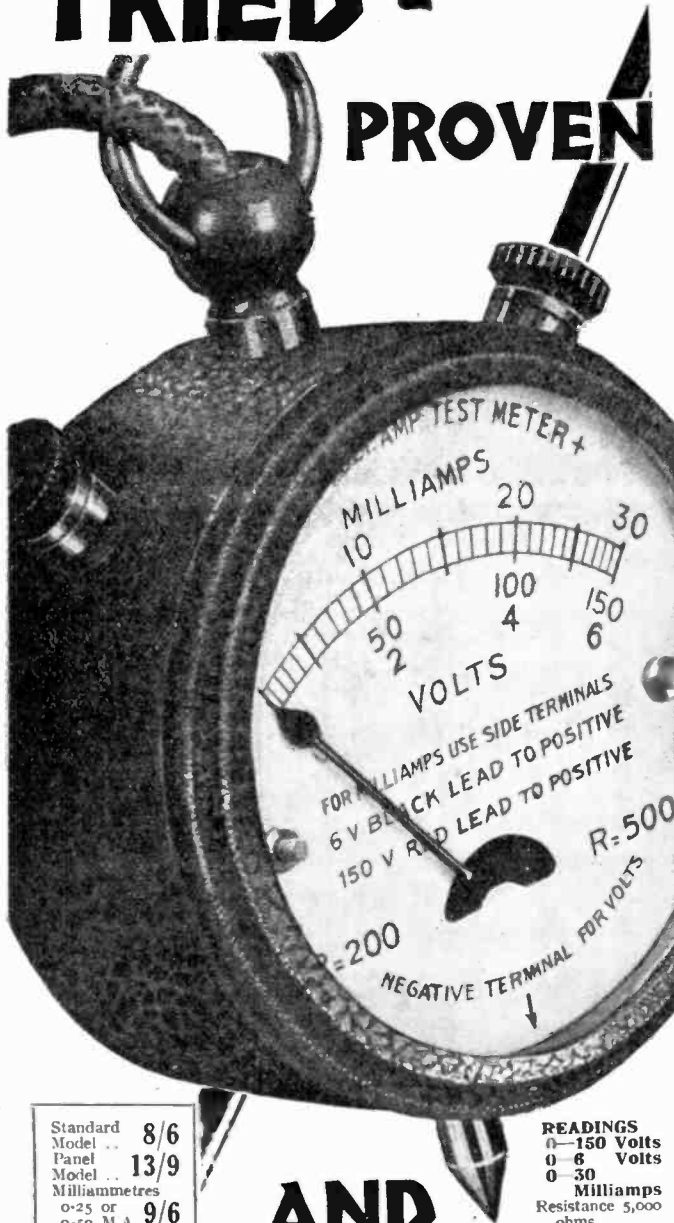
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READINGS
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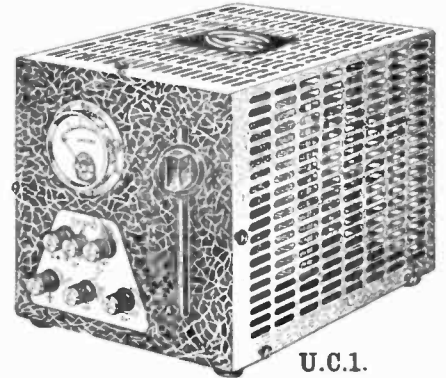
The Standard Battery Co., Dept. W.T., 184/188 SHAFESBURY AVENUE, W.C.2.

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'Charging' Profits

Give a complete service! Don't let your customers go elsewhere for charging. The Superflux U.C.1 illustrated is for 2-24 volt accumulator at 3 amps. A.C. mains from 100v.-130v. or 200v.-240v.-40-60 cycles. A moving coil ampere meter always in circuit. Rectification obtained by Philips Valve No. 367.



U.C.1.

**SUPERFLUX
CHARGERS**

U.D.1.



U.D.1 Maximum capacity 80 volts at 2-6 amps. for L.T. or ten 120 volt. H.T. Batteries at 1 amp. Input voltages 110/130 volt or 200/240 v. 50 cycles. Variable charging rate. Philips Valve No. 1029 protected by two fuses from overload.

PRICES : Valves For U.C.1, 25/- for U.D.1, 45/- less maker's discount

U.C.1 Without valve £7 - 0 - 0 less trade discount

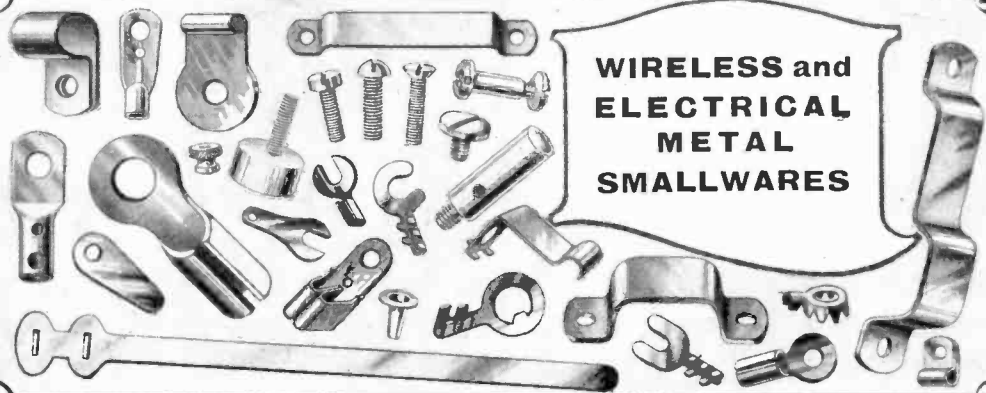
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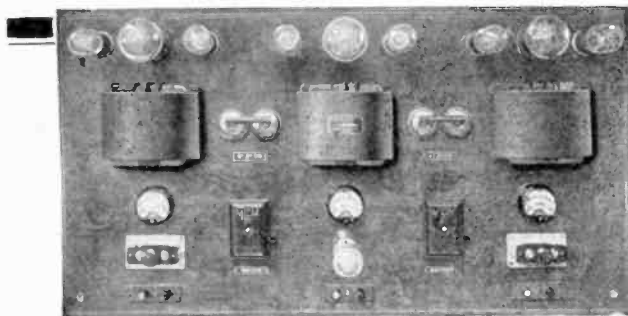
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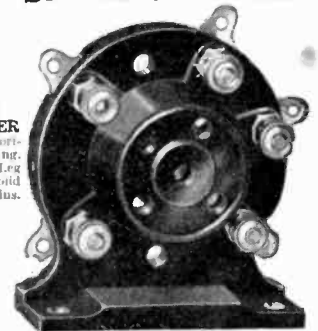
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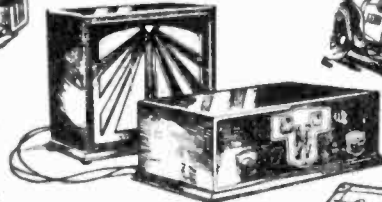
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W.T. & W.E.T.3

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AND THAT they are willing to grant licences under these patents and future inventions of their own and their associated companies to approved British Manufacturers, who are invited to apply for further particulars and conditions to:

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To facilitate business between advertisers and unknown or distant readers, we have a "Deposit Department." The buyer sends us the money, and we advise both parties of its receipt. The seller then sends the goods carriage paid to the buyer, who must within three days of receiving them either accept them or return them carriage paid. If he accepts them we forward his money to the seller; if he rejects them we return his money when advised by the seller that the goods have come to hand. We cannot, however, accept any liability in a dispute. Our charges payable by the buyer for this service are:—

1/-	on transactions up to £5.
2/6	" between £5 and £20.
5/-	" " £20 and £50.

And thereafter 6d. for every £5 or part thereof.

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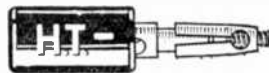
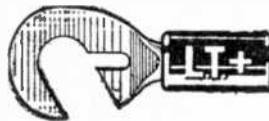
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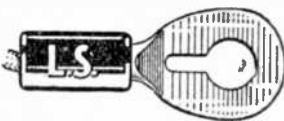
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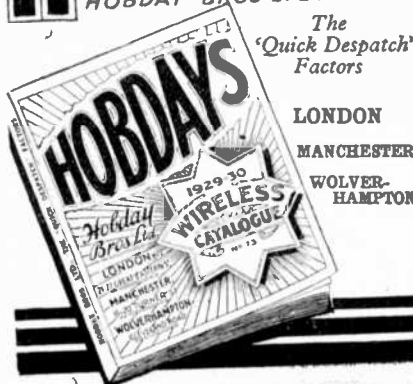
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WIRELESS and gramophone retail shop for disposal, East Finchley, N.2. Recently renovated and fitted out. New charging plant for wireless and car batteries. Excellent lease. Good opportunity. Bargain price.—Box No. 1229, WIRELESS TRADER Office. (120)

WIRELESS and electrical retail shop for disposal in Bognor. Battery charging plant. Good lease. Splendid opportunity. Bargain price.—Box No. 1228, WIRELESS TRADER Office. (119)

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3 BROWN M.C., P.I. Loud-speakers; cost £17 17s. each, sell £25 the lot, or separately. Also Brown hand microphone and transformer, £2 10s.—Abbey Motors, Grimsby. (127)

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PATENTS.

PATENTS obtained, trade marks and designs registered at home and abroad. Gee & Co., patent and trade mark agents, trade mark advisers to THE WIRELESS TRADER, H. T. P. Gee, Member Radio Society, Great Britain, A.M.Inst. Radio Engineers, 52-54, Chancery Lane, Holborn, W.C.2. Telephone: Holborn 1525.

PUBLIC NOTICE.

IN THE HIGH COURT OF JUSTICE.

No. 00374 of 1930.

CHANCERY DIVISION.

Mr. Justice BENNETT.

In the matter of

PETO SCOTT COMPANY LIMITED,

and

In the matter of

THE COMPANIES ACT, 1929.

NOTICE IS HEREBY GIVEN that by an Order dated the 20th day of June, 1930, the Court has directed a meeting to be convened of the unsecured Creditors of the above-named Company (other than those mentioned in paragraphs 1, 2 and 3 of the Scheme), for the purpose of considering and, if thought fit, approving (with or without modification) the Scheme of Arrangement proposed to be made between the said Company and the said unsecured Creditors of the said Company (other than those heretofore excepted).

A copy of the said Scheme can be seen during usual business hours at the Registered Office of the Company situate at 77 City Road, London, E.C.1.

The said Meeting will be held at the HALL OF INCORPORATED ACCOUNTANTS, ASTOR HOUSE, VICTORIA EMBANKMENT, in the CITY OF LONDON, on Wednesday, the 16th day of JULY, 1930, at 2.30 o'clock in the afternoon, at which place and time all the aforesaid unsecured Creditors (other than those heretofore excepted) are requested to attend.

The aforesaid unsecured Creditors (other than those heretofore excepted) may attend such meeting and vote thereat either in person or by Proxy. The forms appointing Proxies must be deposited with the Secretary of the Company at its Registered Office, situate at 77, City Road, in the City of London, E.C.1, not later than 12 o'clock noon on Monday, the 14th day of July, 1930.

Forms of proxy may be obtained from the Secretary of the Company at its registered office situate as aforesaid. The person appointed to act as Proxy must be a like unsecured Creditor of the Company.

By the said Order, the Court has appointed Ernest James Offord (the representative of Philips Lamps, Limited, Unsecured Creditors), or failing him John Ebenezer Saunders (the representative of Mullard Wireless Service Company, Limited, Unsecured Creditors) to act as Chairman of the said meeting, and has directed the chairman to report the result of the said meeting to the Court.

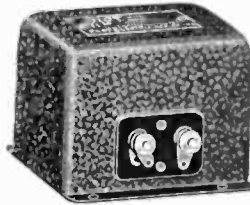
The said Scheme of Arrangement will be subject to the subsequent approval of the Court.

DATED this 30th day of JUNE, 1930.

WARREN & WARREN,

Solicitors for the above-named Company.

PILOT TRANSFORMERS



Read what "The Wireless World" said June 4th, 1930:—

"Speech was clear and crisp, and orchestral music was well balanced, the high tones as well as the bass being in evidence."

In Three Ratios: 2-1, 3-1, and 5-1.

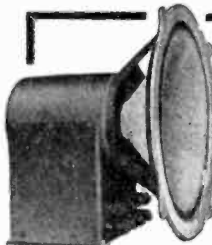
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AGENTS wanted for Eastern, North-Eastern, South-Eastern, Western, North-Western, South-Western districts of England, the Midlands and London, also for Wales and Scotland, for important radio company universally known. Applicants with car and established connections in the radio industry essential. —Details in confidence to Box No. 1235 WIRELESS TRADER Office. (P1)

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REPRESENTATIVE wanted by radio manufacturers for London and suburbs with connection among retail traders and stores. Must have own car.—Reply with full particulars of previous experience and terms to Box No. 1232, WIRELESS TRADER Office. (115)

SALESMEN required by the leading non-ring wireless valve manufacturers. Payment by salary and commission.—Apply in writing only, stating age, experience and territory covered, to Radio Dept., Tungram Electric Lamp Works (G.B.), Ltd., 72, Oxford Street, London, W.1. (128)

TWO service engineers required. Must be well educated. Experience with mains receivers and amplifiers essential.—State age and salary required, Box No. 1231, WIRELESS TRADER Office. (117)

SITUATIONS WANTED.

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RADIO Engineer-Salesman, with 7 years' active experience of servicing all types of sets, mostly portables, wants position with progressive company or stores. Age 25.—Box No. 1237, WIRELESS TRADER Office. (126)

TRAVELLER, strong connection, wholesale and retail, Birmingham and Midlands, own car, fidelity bonded; good references; experienced, consistent worker; good class firms only.—Box No. 1216, WIRELESS TRADER Office. (39)

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WELWYN GARDEN CITY, HERTS.**

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METAL CABINETS**

Eliminator Boxes, Transformer Cases, etc. We can supply any colour in Crystalline finish.

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Tests all kinds of Lead-Sulphuric Acid Batteries. Efficient, Simple, Handy. Sole Dis.: S. KALISKY (Aldgate) LD., Aldgate High St., London, E.C. and Vitaklor Co., NELSON, 16 Withy Grove, Manchester.

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STOCKED BY ALL THE LEADING FACTORS
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Radio Components

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WELL-KNOWN Buyer, manager famous West End store (radio section), desires position sales manager, departmental. Nine years' experience, manufacturers, wholesale and retail.—Box No. 1236, WIRELESS TRADER Office. (129)

YOUNG man (28). Five years' experience of buying and sales with leading London motor and radio factors. Technical experience with radio gramophones and mains equipments, together with P.A. work, is desirous of changing position.—Box No. 1228, WIRELESS TRADER Office. (124)

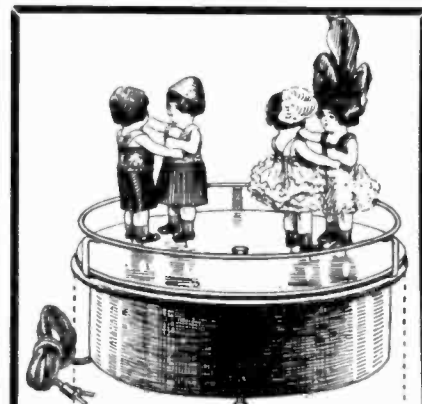
WANTED.

WIRELESS surplus stocks and job lines wanted for cash.—Prenrose Wireless Co., 16, Borough High Street, S.E.1. (116)

WANTED. Scrap H.T. and P.L. batteries bought, any quantity.—C. Lanham, Gordon Villa, Marlborough Road, Romford.

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MANUFACTURERS' discontinued stocks wanted. Any quantities.—Box No. 947, WIRELESS TRADER Office. (C9)



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Even on the Loudspeaker
Can be connected with every radio outfit.
A sensation at the Leipzig Fair
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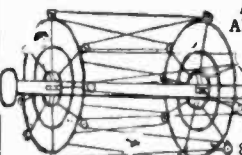
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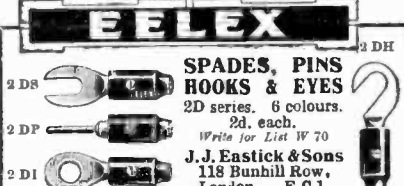


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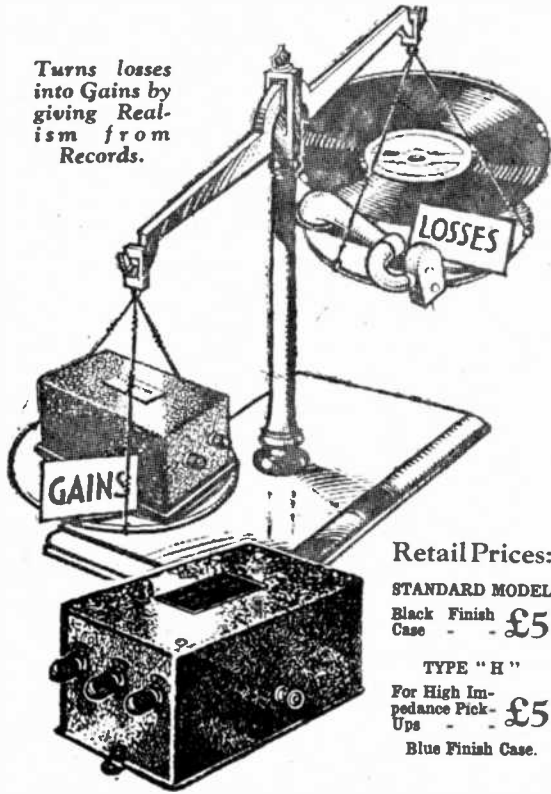
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EMKABE DIALS & CONDENSERS
Precision Instruments for Set Manufacturers
EMKABE RADIO CO. LTD.
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Turns losses into Gains by giving Realism from Records.



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TYPE "H"
 For High Impedance Pick-Ups - £5
 Blue Finish Case.

Only the NOVOTONE gives Perfect Compensation

In the playing of gramophone records there are serious deficiencies in the lower register due to the limitation of present-day recording. The Novotone gives perfect compensation for these huge losses, and for those caused by pick-ups.

Write now for Literature. "Novotone" demonstration outfit. Special Offer. Send at once for details.

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 6 Buckingham Street, Strand, W.C.2

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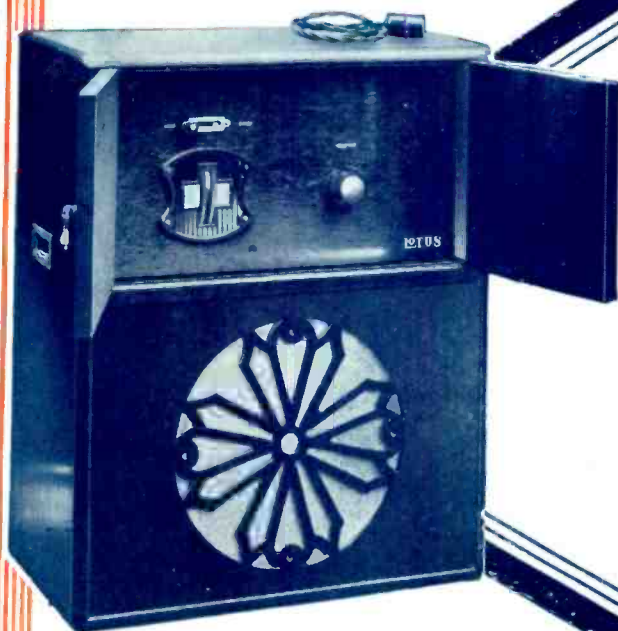
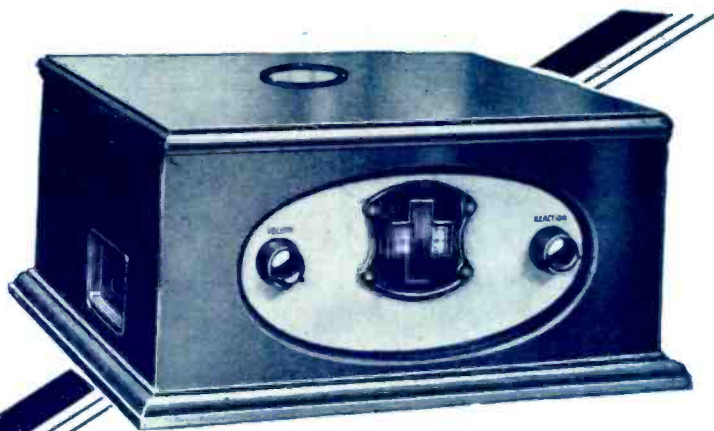
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W.T. 5/7/30

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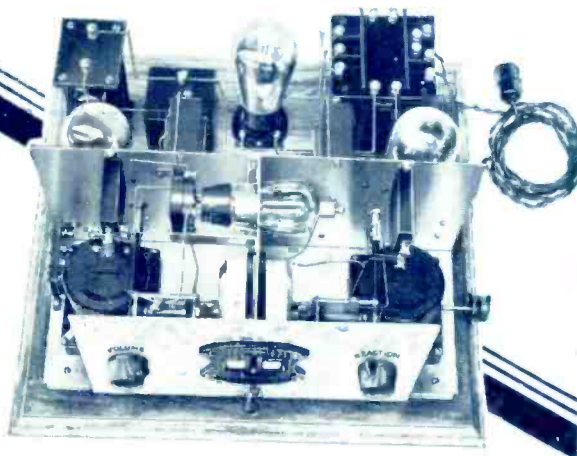
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Below is the Lotus 3-valve S.G.P. Kit for Battery Models. For your customers who like assembling their own sets, this is a certain profit-maker. Complete with Royalties paid, but excluding Valves and Cabinet, £7-12-6 or 14/9 down and 11 equal monthly instalments.



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Catalogues & Trade Terms on request.

LOTUS

**ALL ELECTRIC
AND
BATTERY SETS**

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Marconiphone Pick-up

Advertisement of The Marconiphone Co., Ltd., Radio House, 210, Tottenham Court Road, W.1

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