

# EMPFÄNGER- SCHALTUNGEN

DER  
RADIO-INDUSTRIE

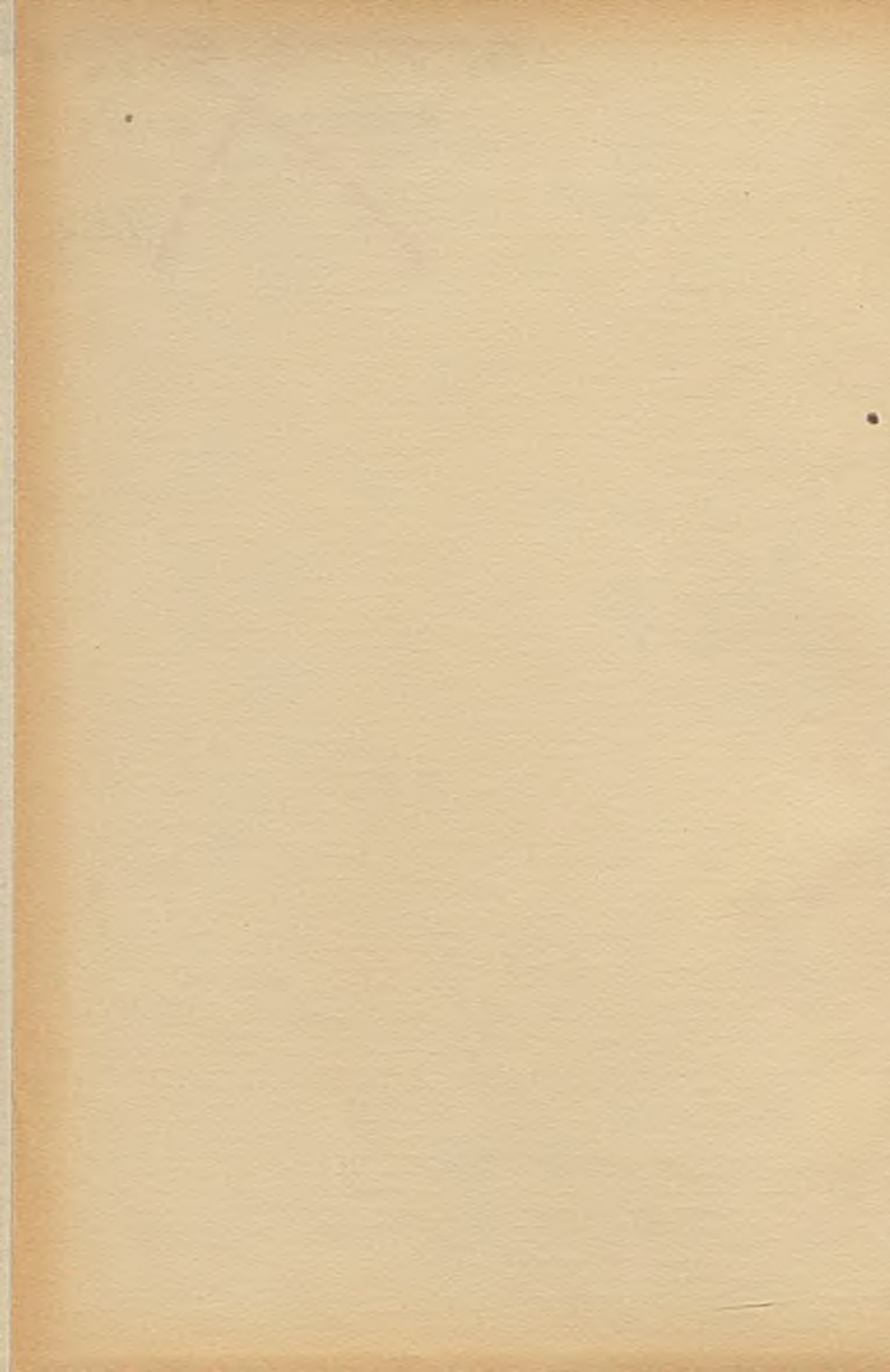


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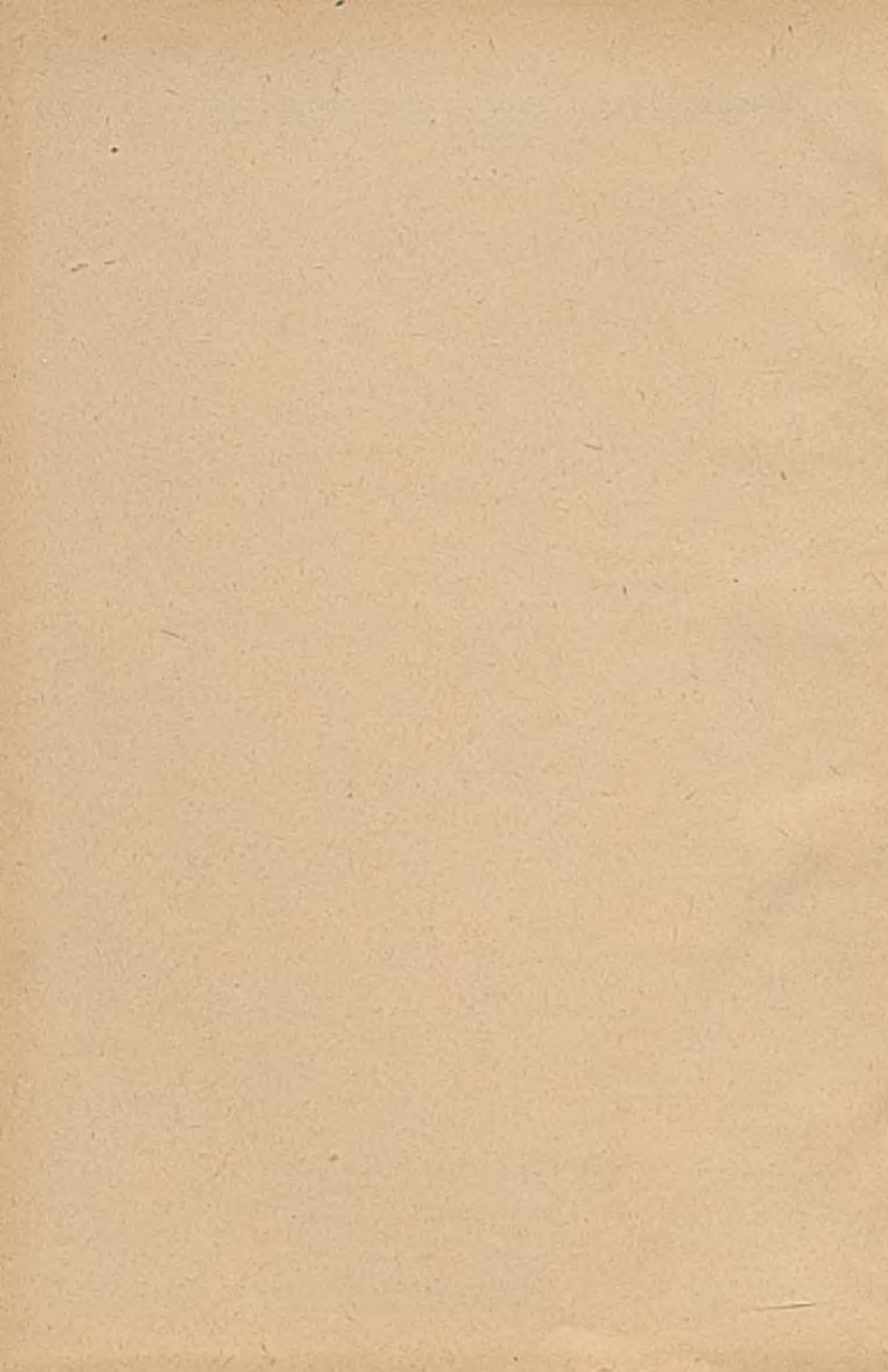
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Katedra Elektroniki Przemysłowej

EMPFÄNGER-SCHALTUNGEN DER RADIO-INDUSTRIE

BAND IV



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Katedra Elektroniki Przemysłowej~~

BÜCHER FÜR DEN RUNDFUNKTECHNIKER

# EMPFÄNGER- SCHALTUNGEN

DER  
RADIO-INDUSTRIE

„ BAND IV

Zusammengestellt von Ing. Heinz Lange  
und Ing. Heinz K. Nowisch

*Zweite Auflage*



FACHBUCHVERLAG GMBH LEIPZIG 1953



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Redaktionsschluss 26. Juni 1952

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Satz und Druck: Druckhaus „Maxim Gorki“, Altenburg

Veröffentlicht unter der Lizenznummer 114-210/136/52 des Amtes für Literatur  
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## VORWORT

*Dieses Buch setzt als IV. Band die Schaltbildersammlung fort, in der 30 Jahre rastloser Arbeit deutscher Fachleute ihren Niederschlag finden. Es ist gelungen, ein Standardwerk zusammenzustellen, das für die gesamte Radiotechnik von unschätzbarem Werte ist.*

*Angefangen vom Audionempfänger aus dem Jahre 1924 bis zu den höchstentwickelten Spitzengeräten, deren Produktion durch den zweiten Weltkrieg unterbrochen wurde, und wieder beginnend mit den ersten primitiven Nachkriegsgeräten bis zu den letzten Konstruktionen sind die Schaltungen, nach Firmen und Typen geordnet, in dem Gesamtwerke zu finden.*

*Mit dieser Schaltungssammlung wollen wir dazu beitragen, die Instandsetzung von Rundfunkgeräten wesentlich zu erleichtern und damit einem dringenden Bedürfnis der Reparaturwerkstätten entsprechen — das alles mit dem Ziele, für recht viele schaffende Menschen den Empfang unserer Rundfunksendungen zu vervollkommen. Darüber hinaus gibt diese Sammlung unserem Nachwuchs in der Werkstatt, den Studierenden der Elektrotechnik und den Entwicklungsingenieuren einen umfassenden Überblick über die Vielfalt und den Ideenreichtum der Schaltungstechnik.*

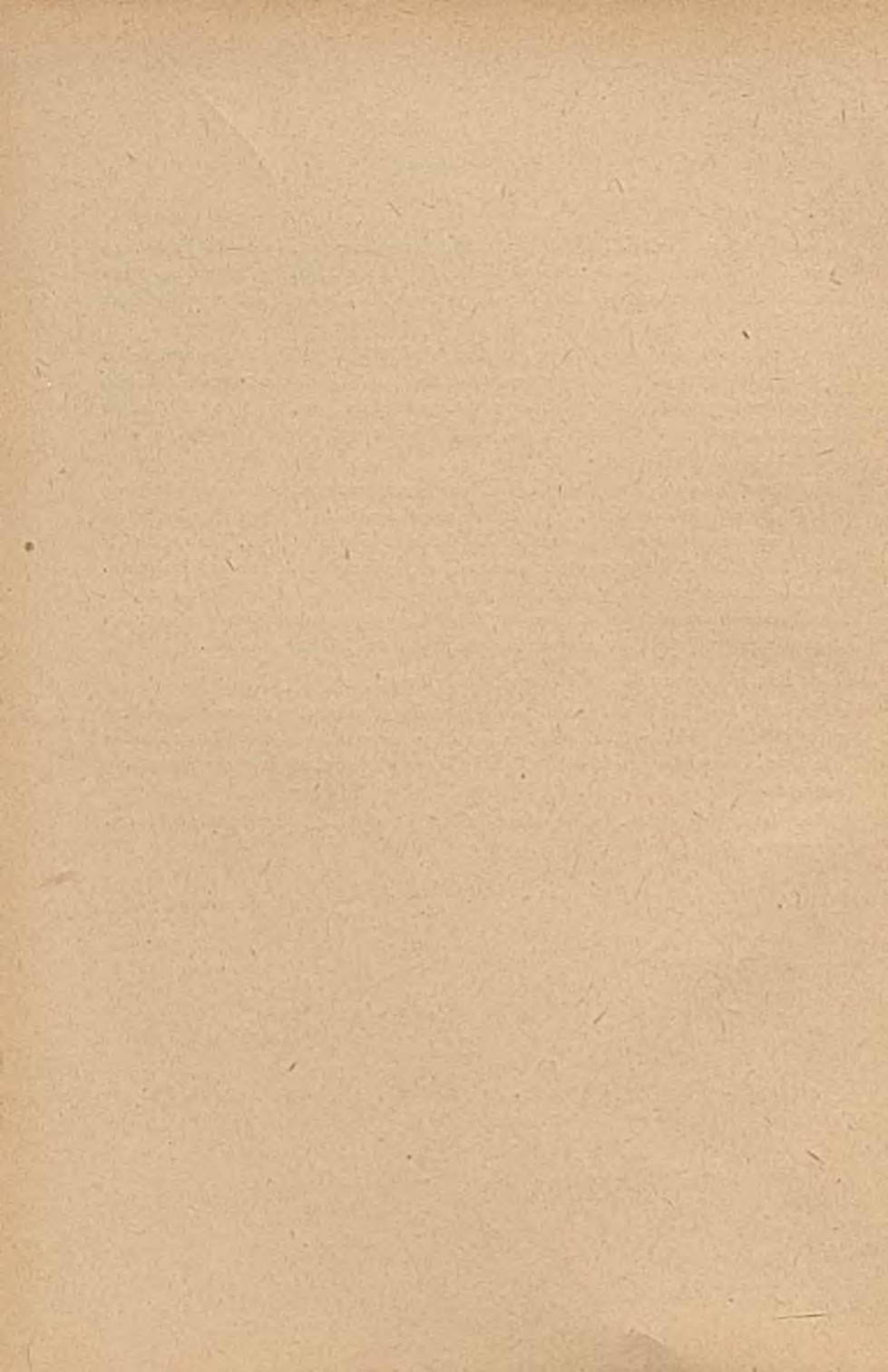
*Eine Bitte richten wir an alle, in deren Hände diese Sammlung gelangt:*

*Sollten Sie noch im Besitz von Schaltungsunterlagen sein, die in dieser Sammlung nicht enthalten sind, so überlassen Sie uns diese für eine kurze Zeit. Damit würden Sie zum Nutzen der gesamten Radiotechnik zur Vervollständigung der Sammlung beitragen.*

*Allen Industriebetrieben, durch deren Mitarbeit dieses Werk entstehen konnte, sprechen wir hiermit unseren Dank aus.*

*Verfasser und Verlag*

*Leipzig, im Sommer 1953*



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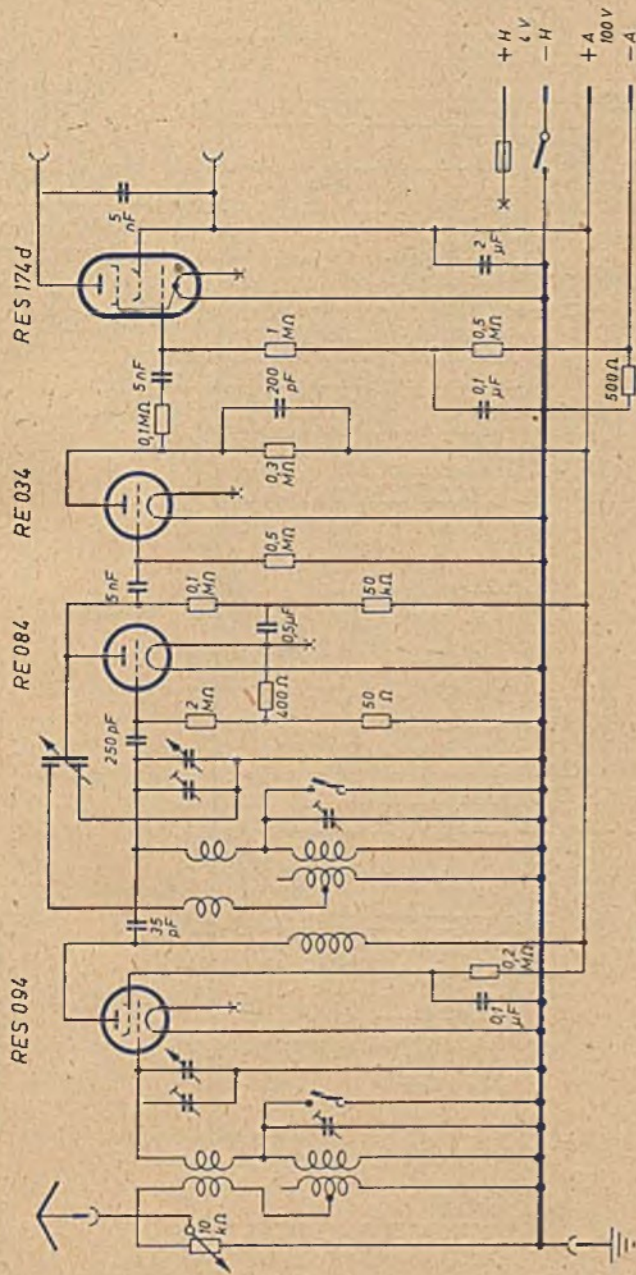




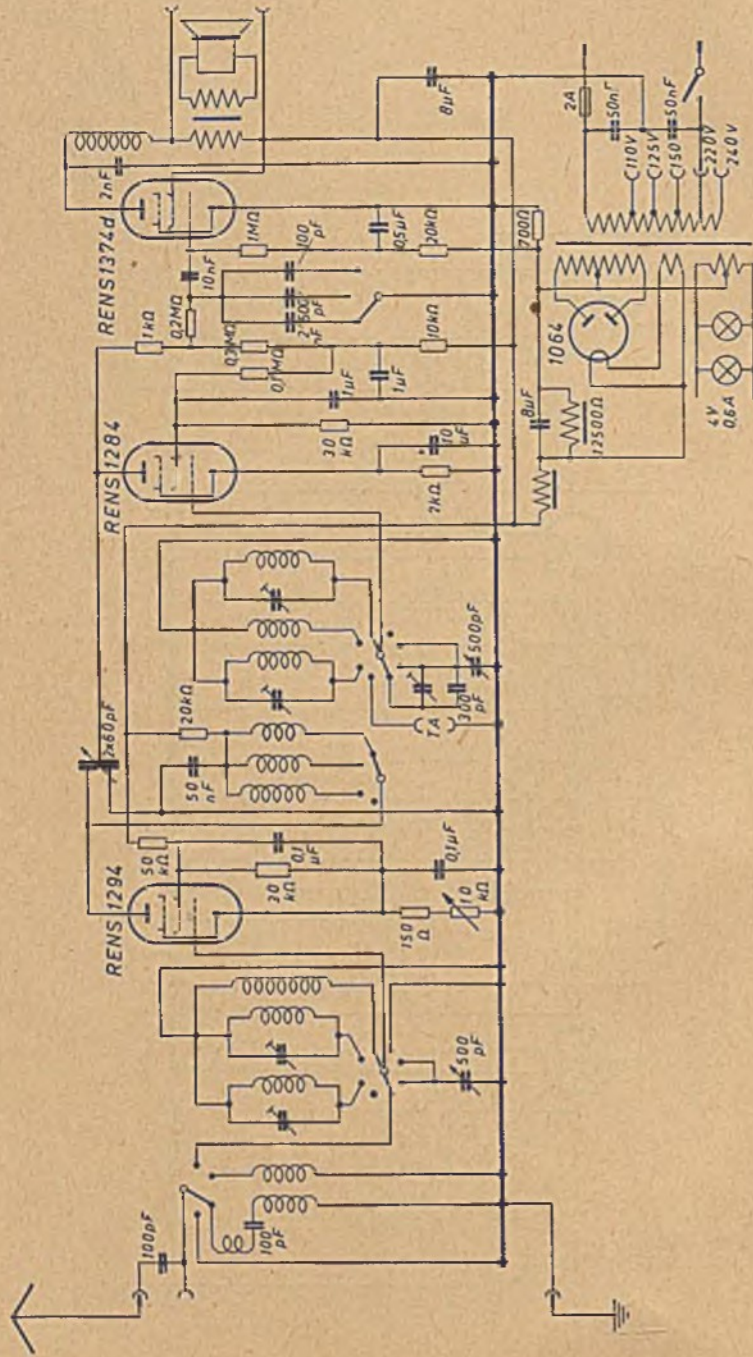
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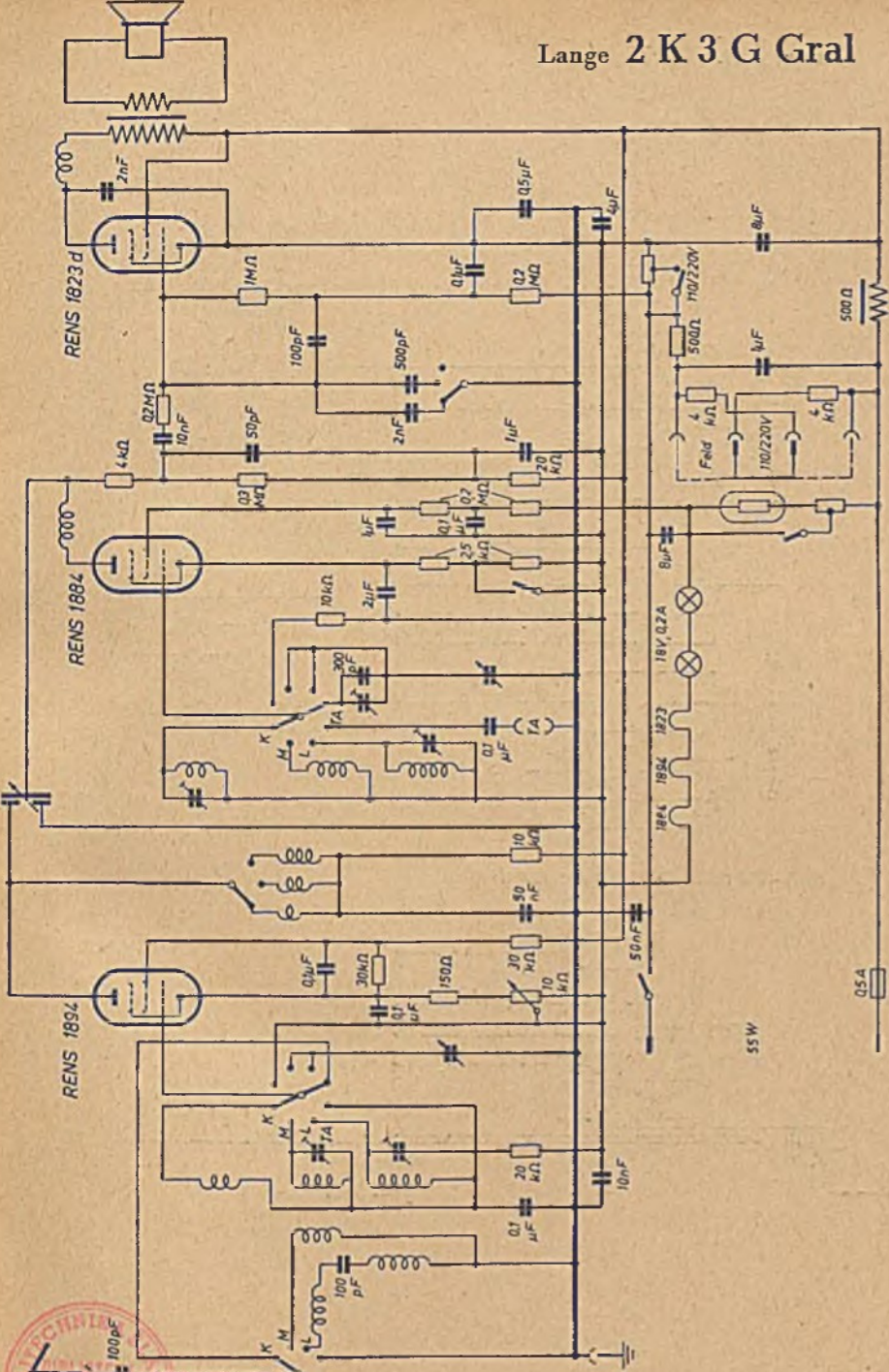
LANGE



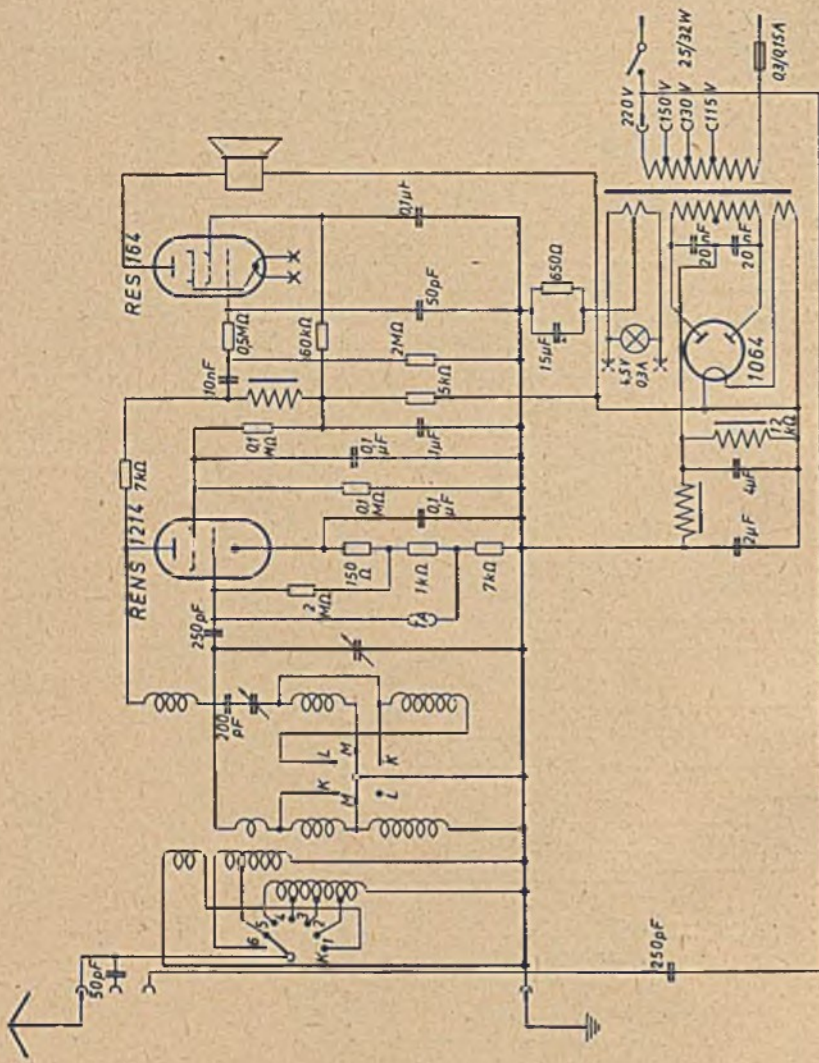


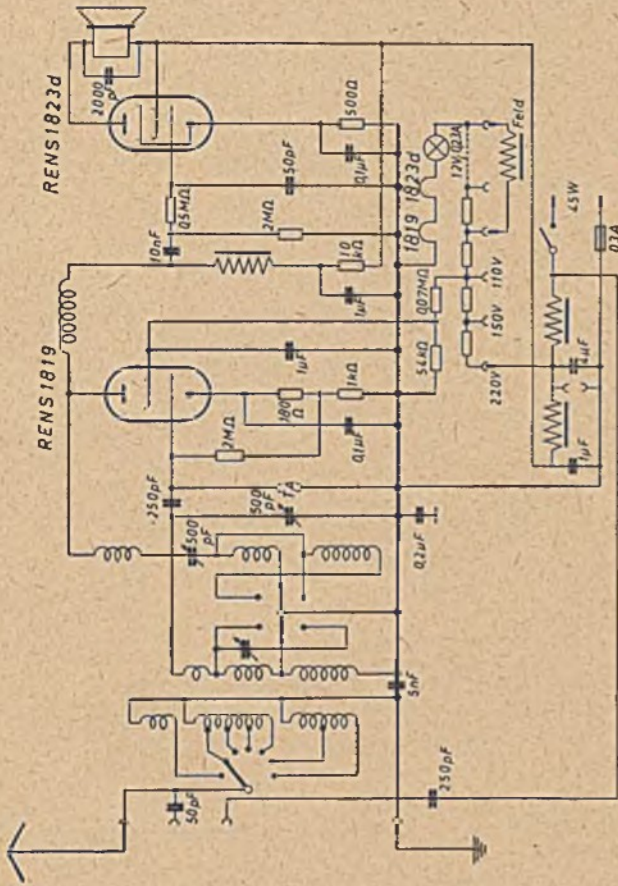
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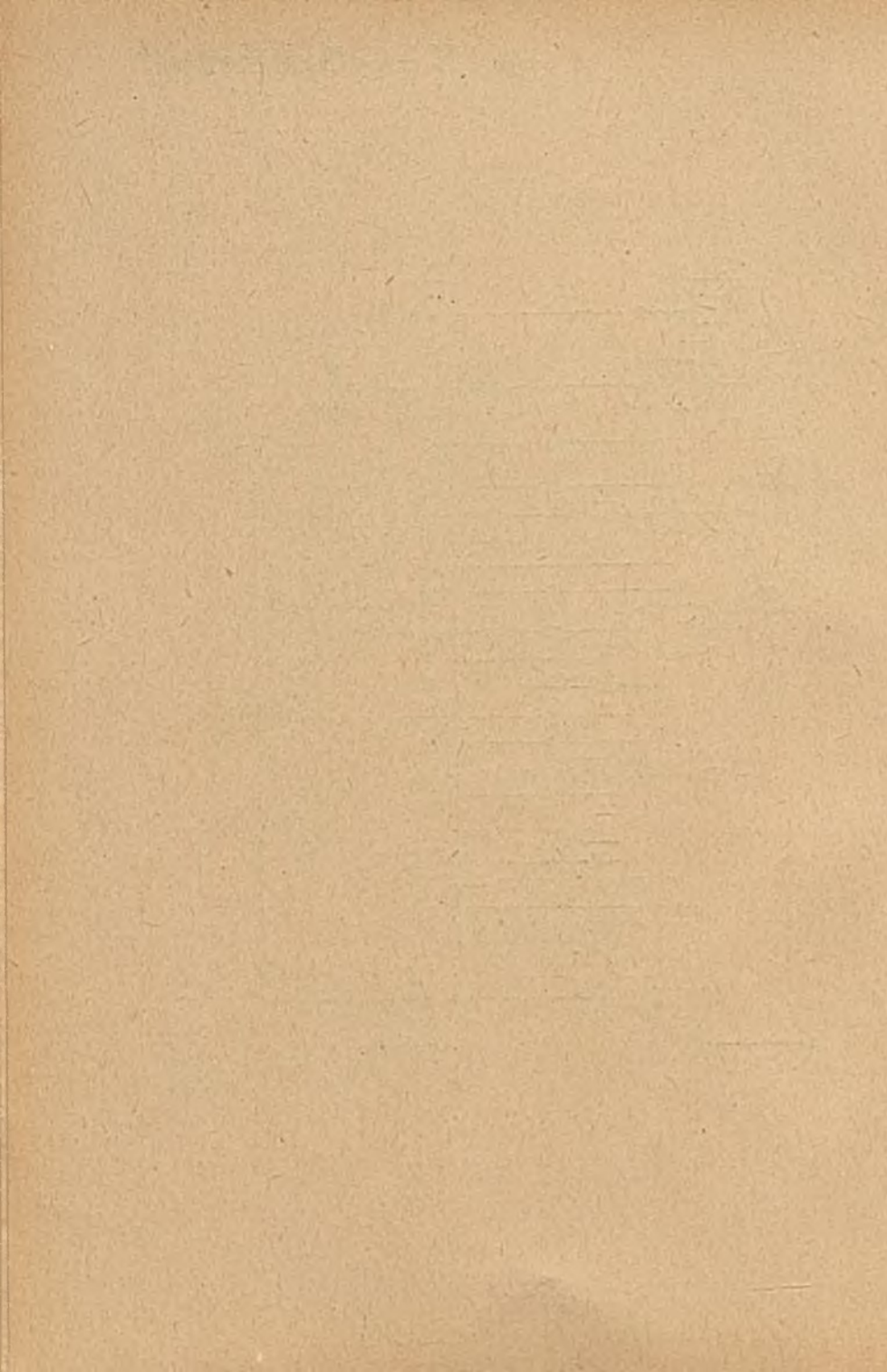




2 Empfänger-Schaltungen IV



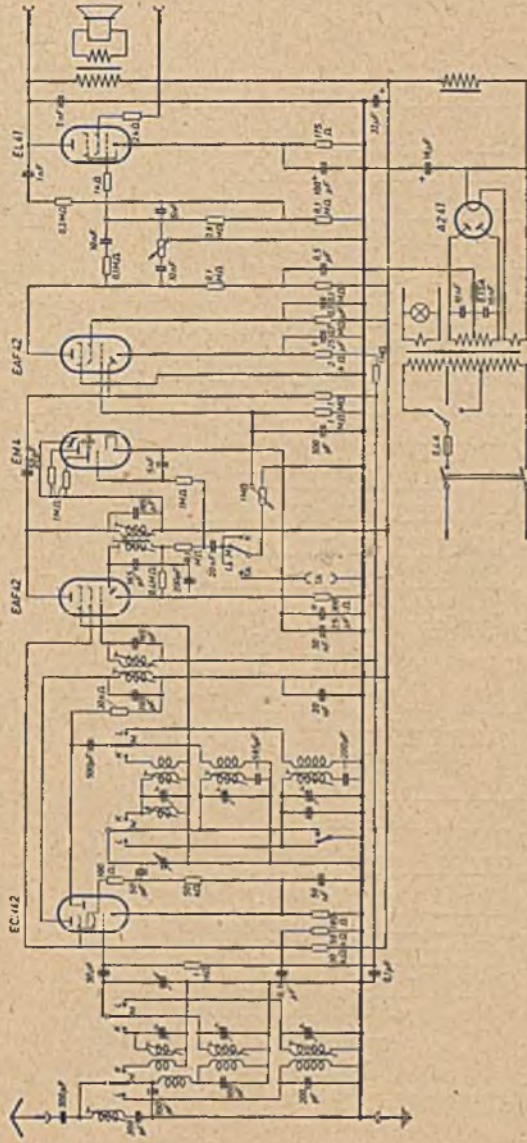


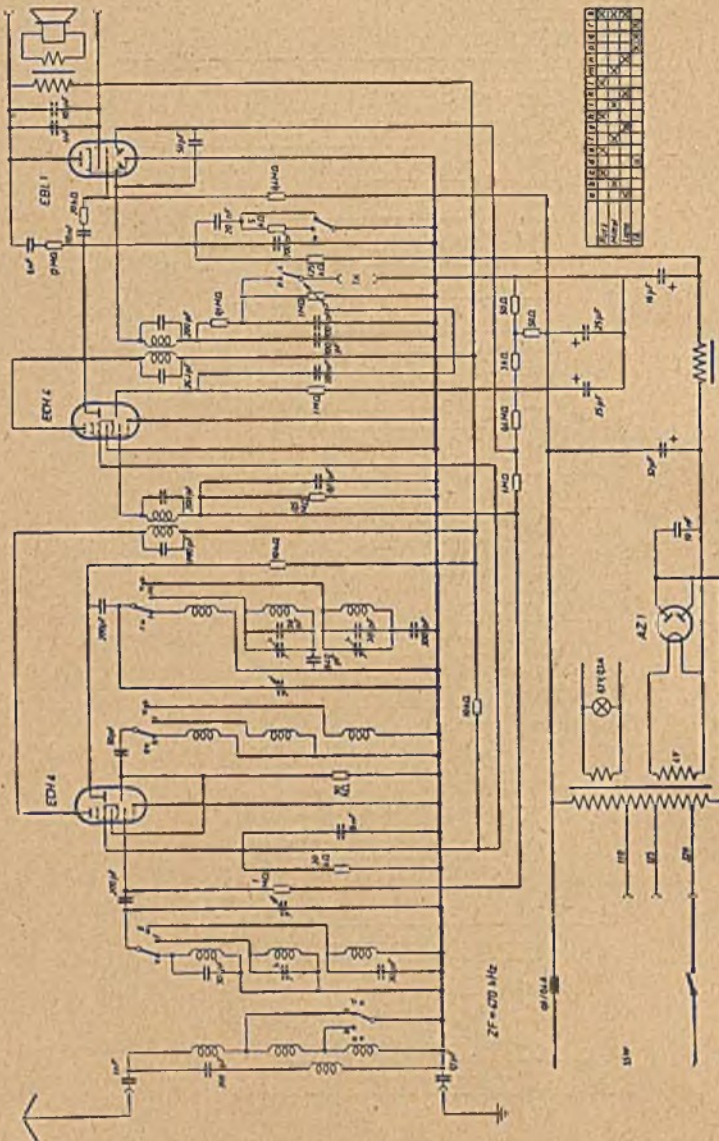




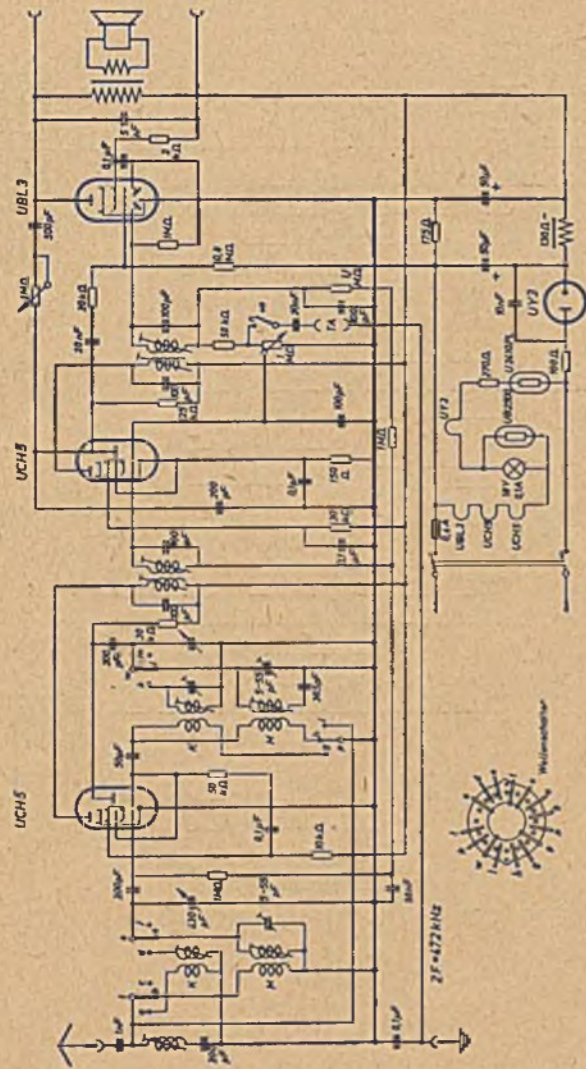
LEMBECK

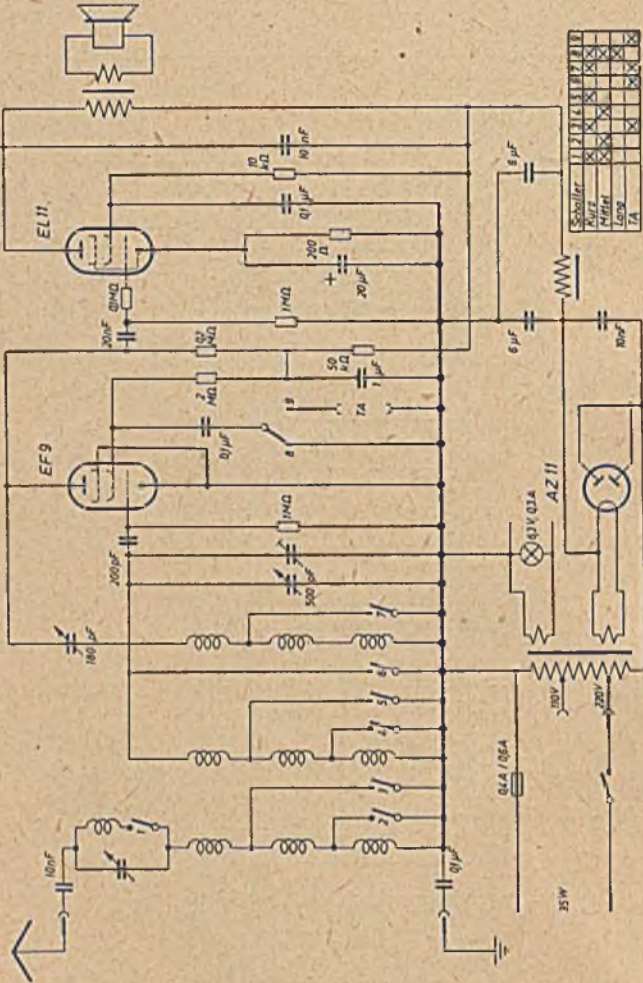


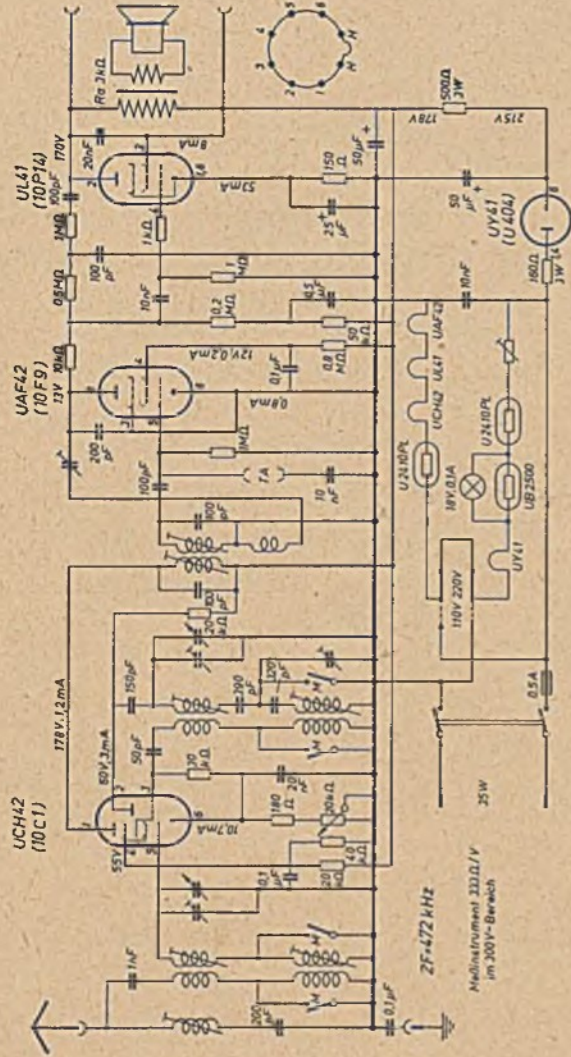


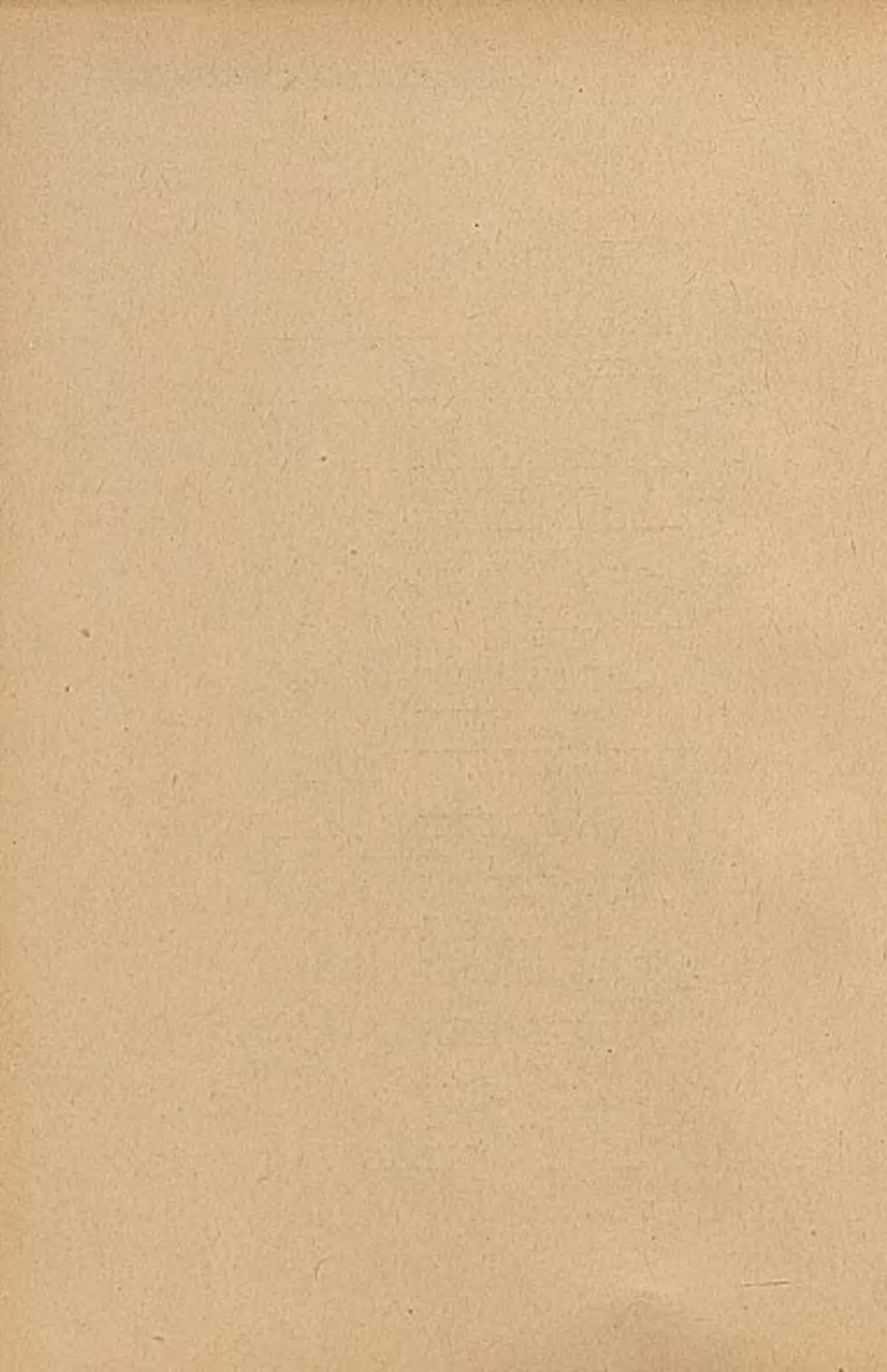


# Lembeck Junior LJ 649 GW









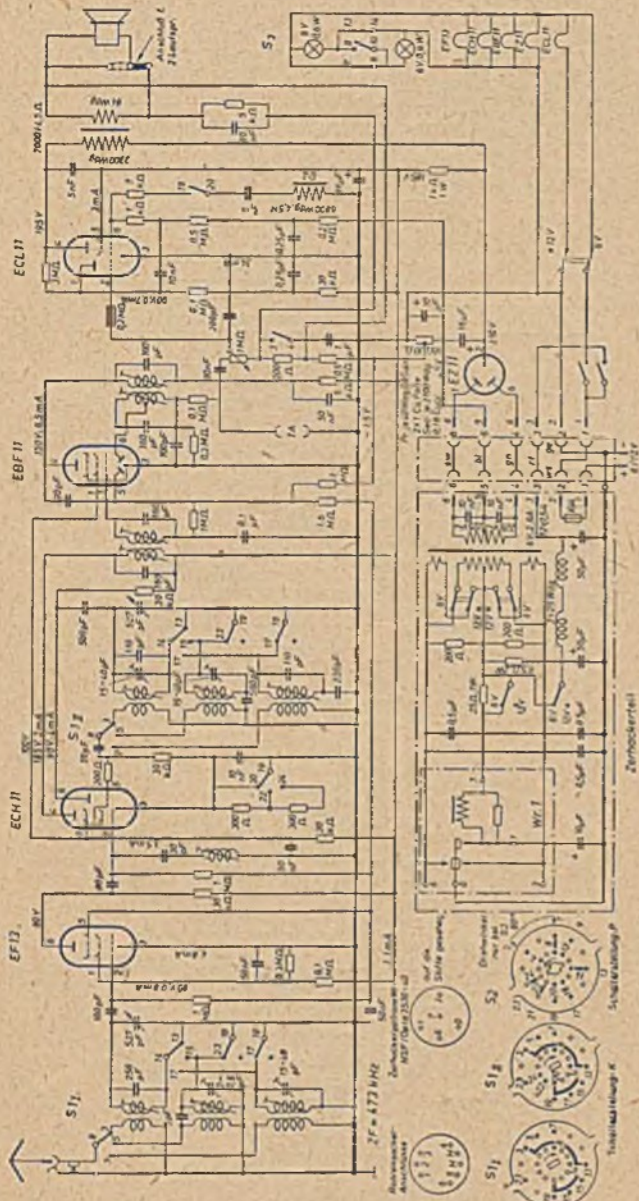


**LOEWE/OPTA**

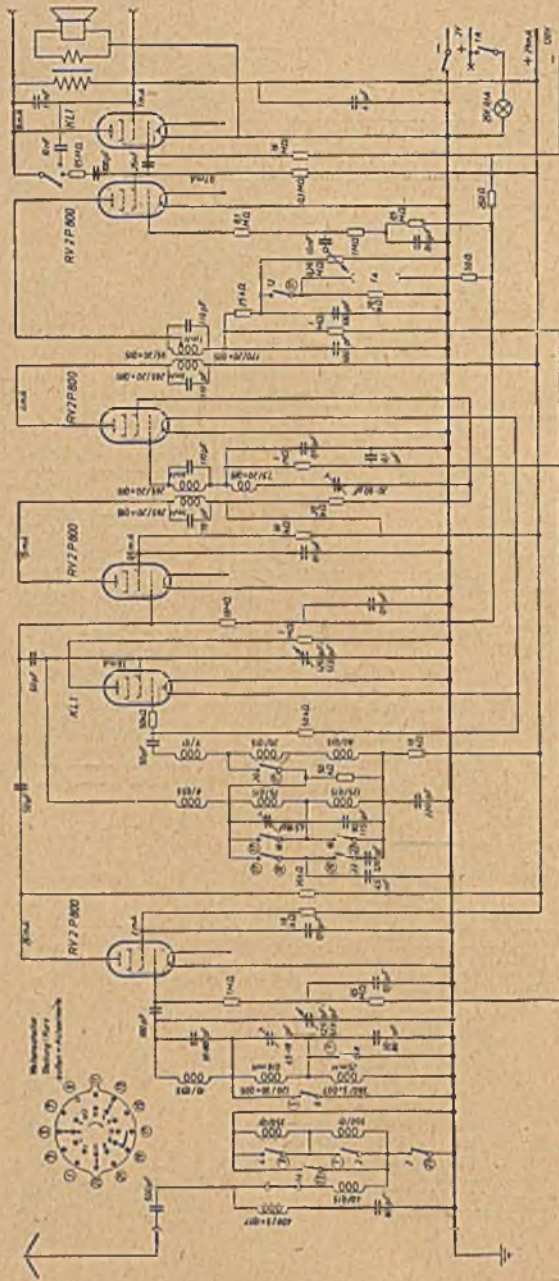
*(Produktion nach 1945)*

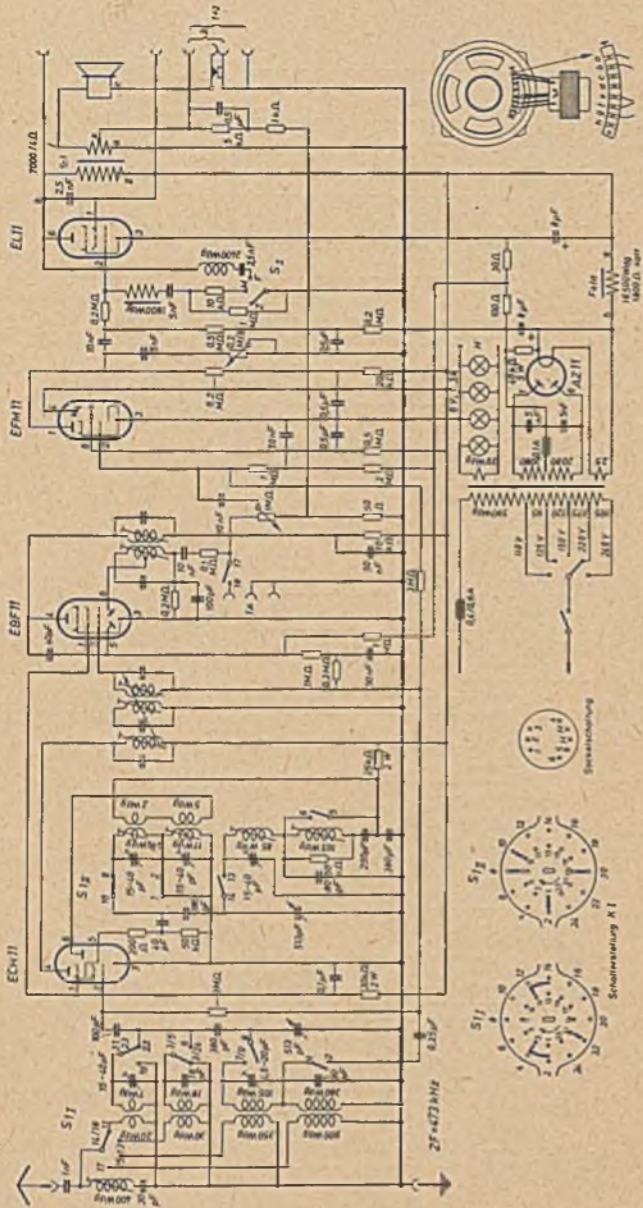
Siehe auch unter OPTA-SPEZIAL



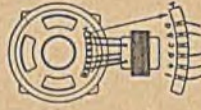
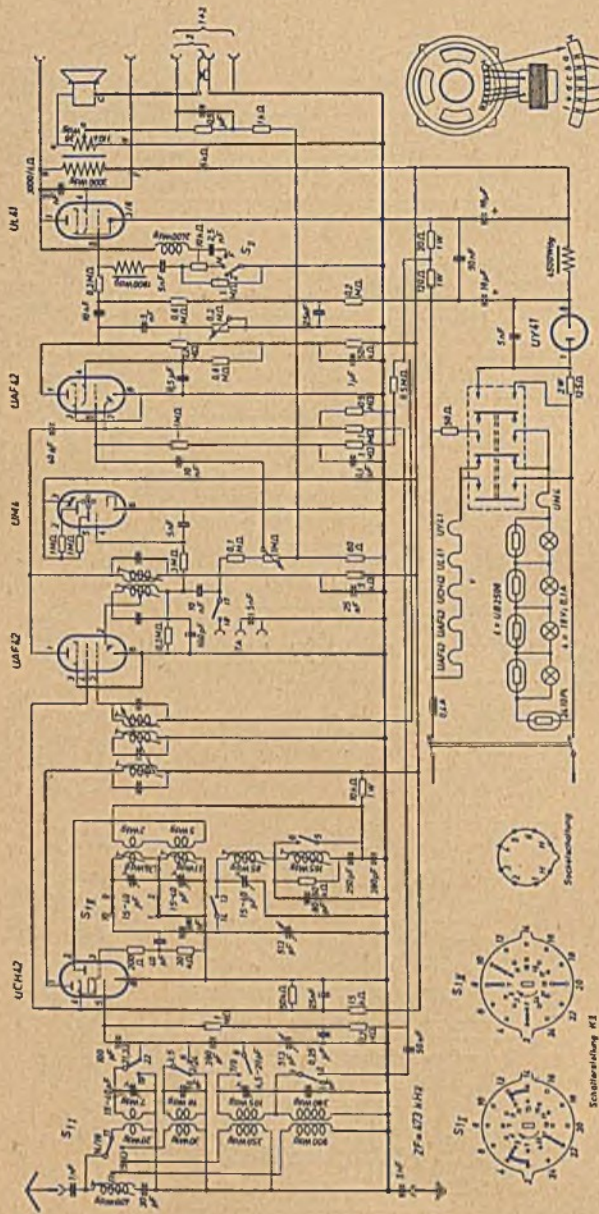


Loewe/Opta Batterie-Super 3509 B



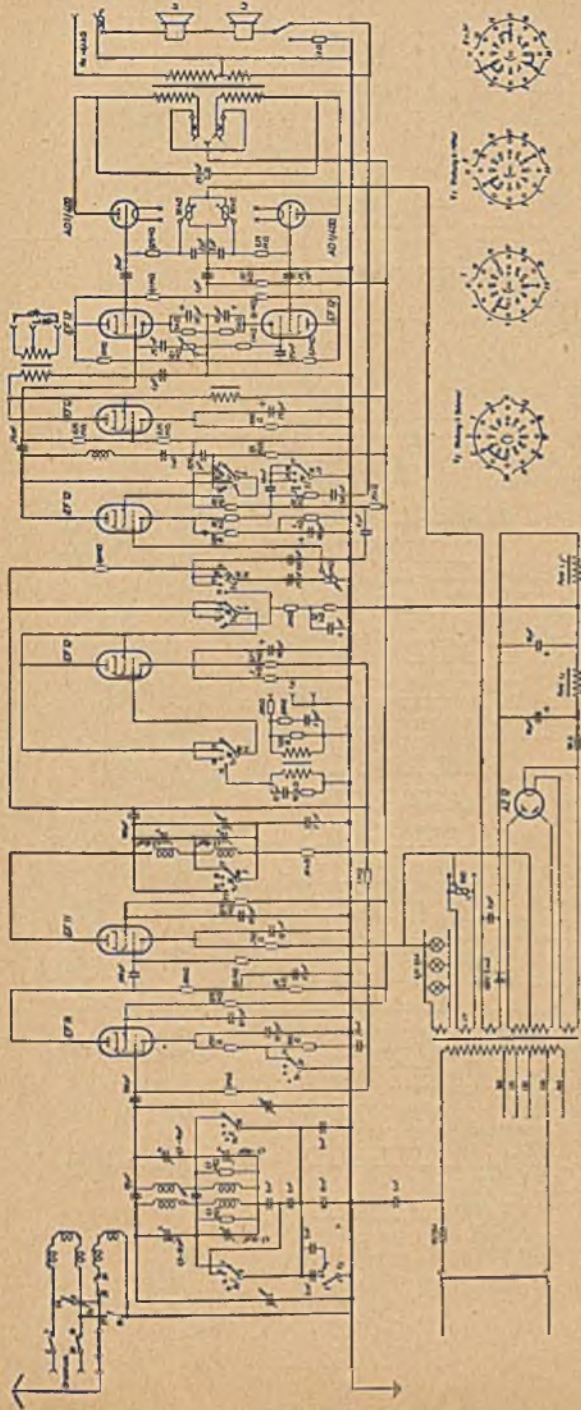


Loewe/Opta Berlin 750 GW

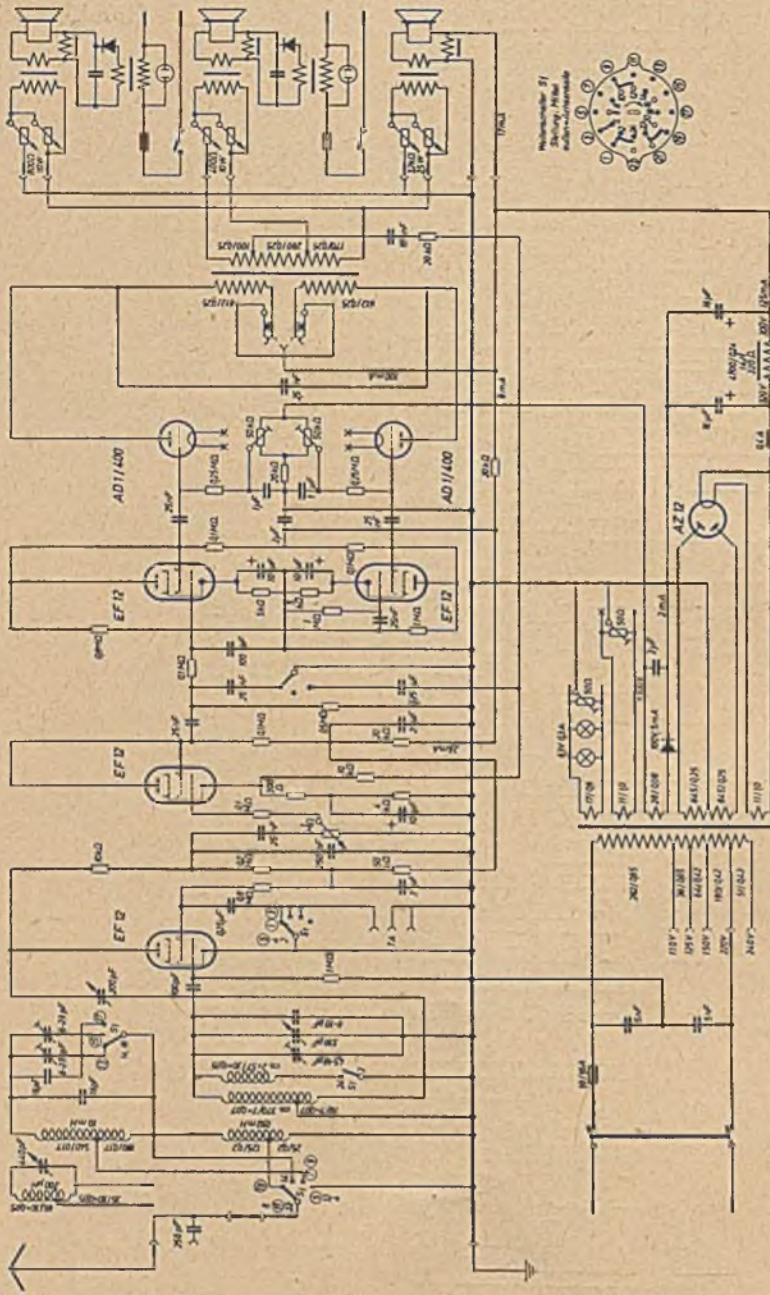


# Loewe/Opta DF-Überwachungsempfänger 6541

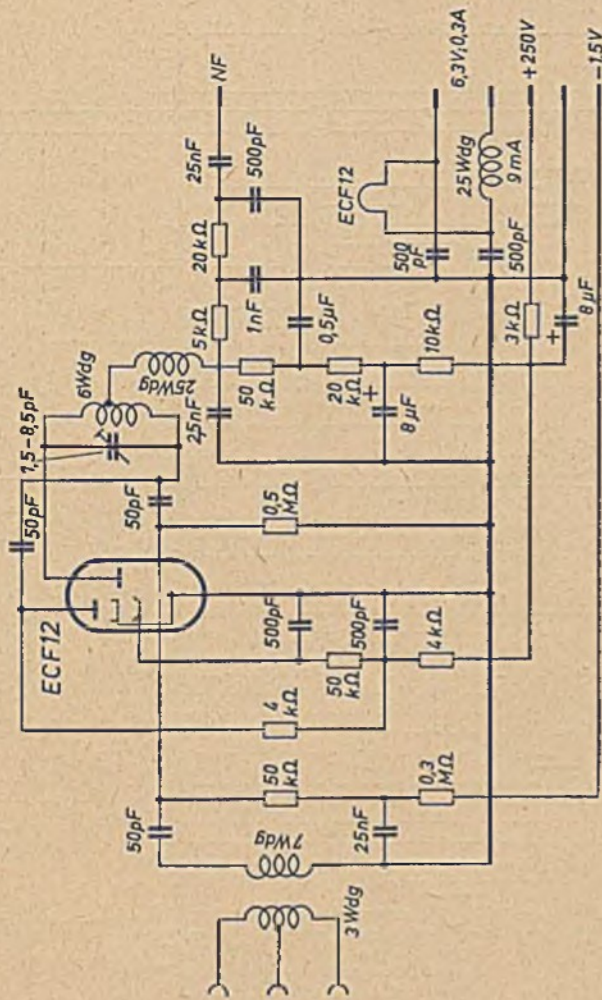
mit  
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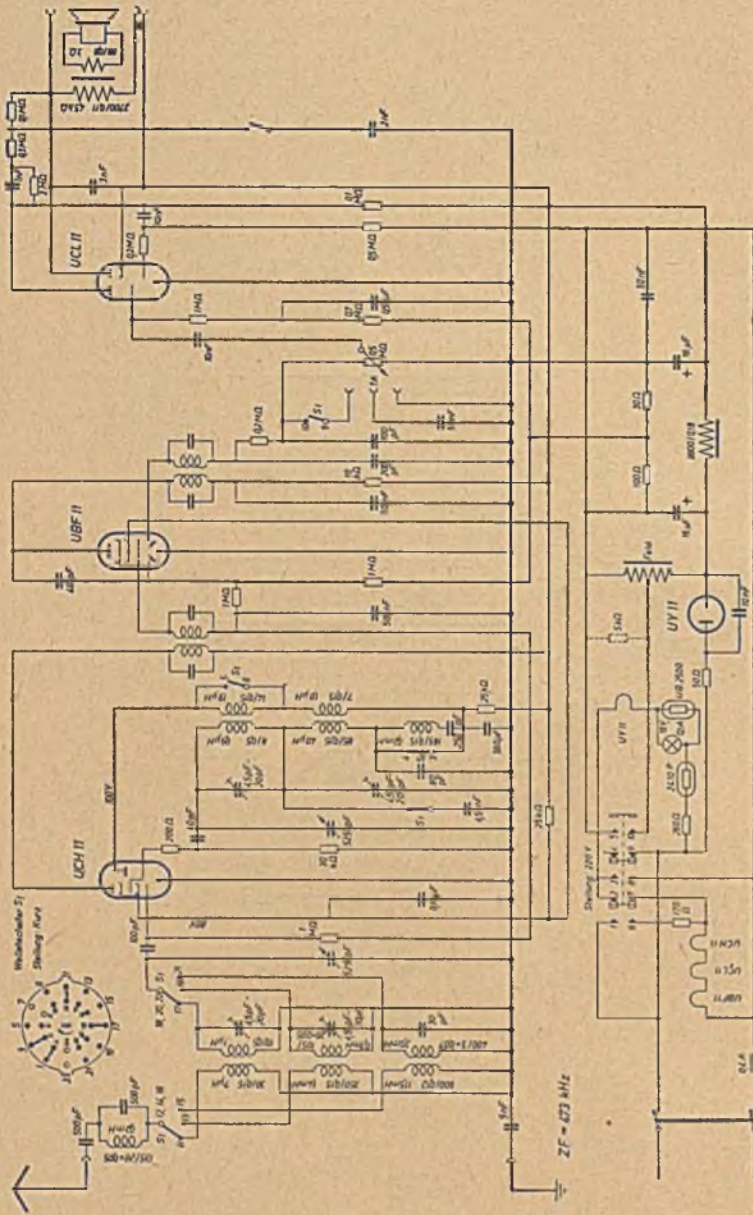


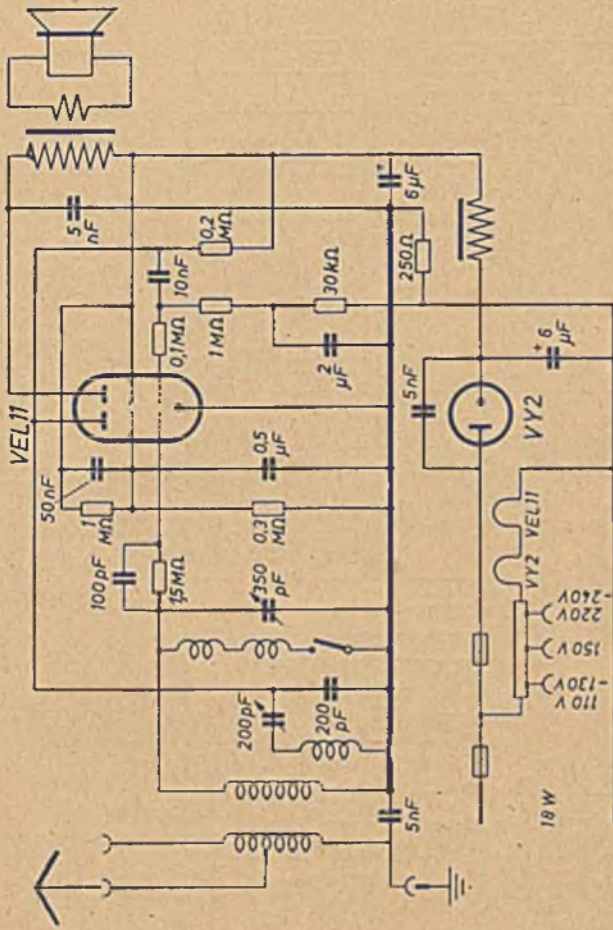
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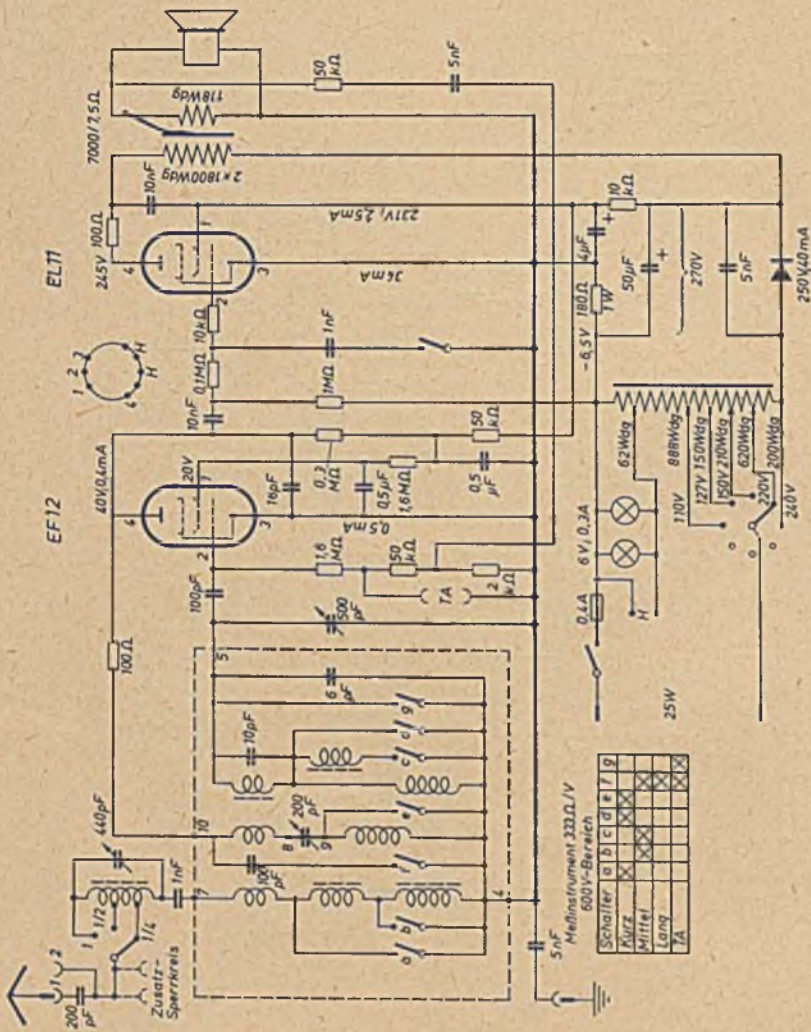


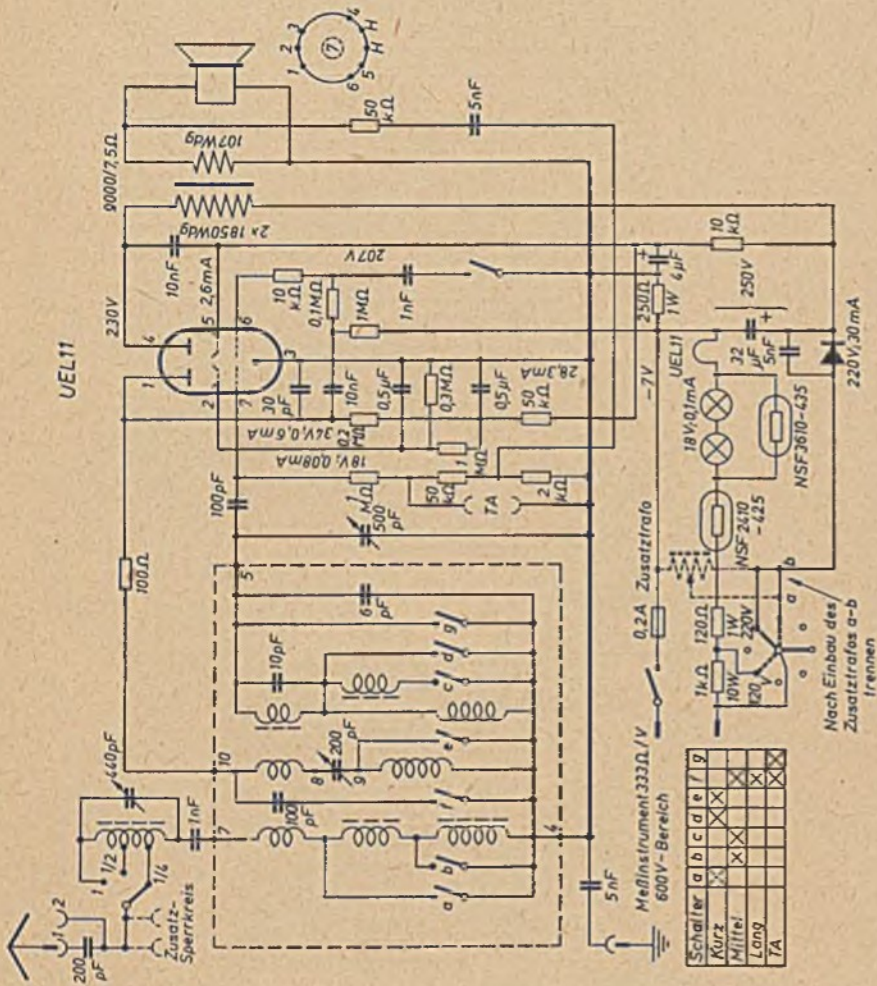


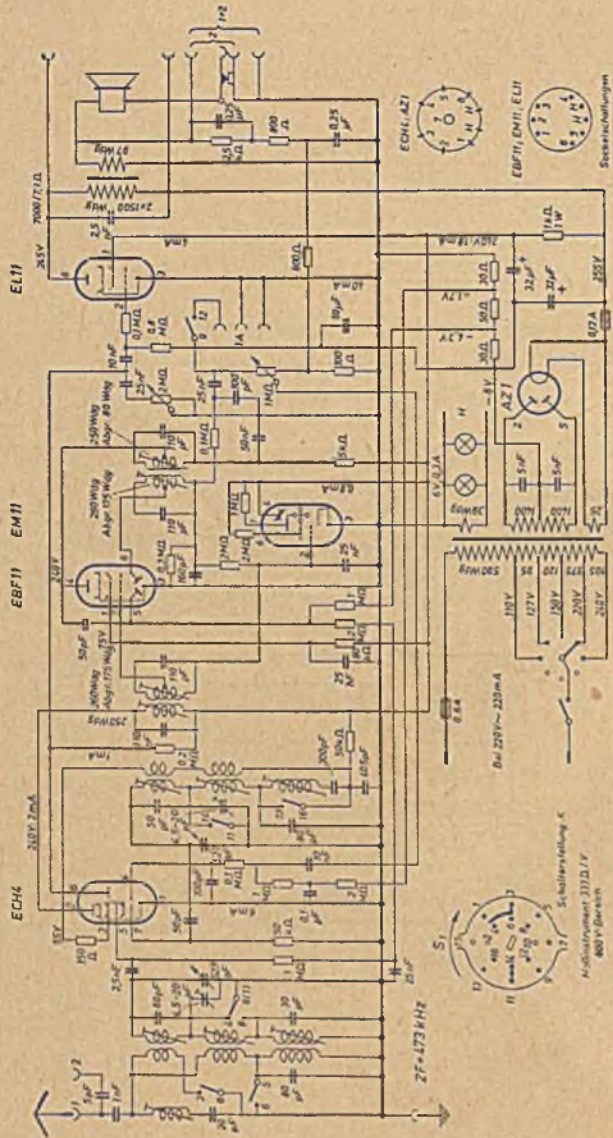




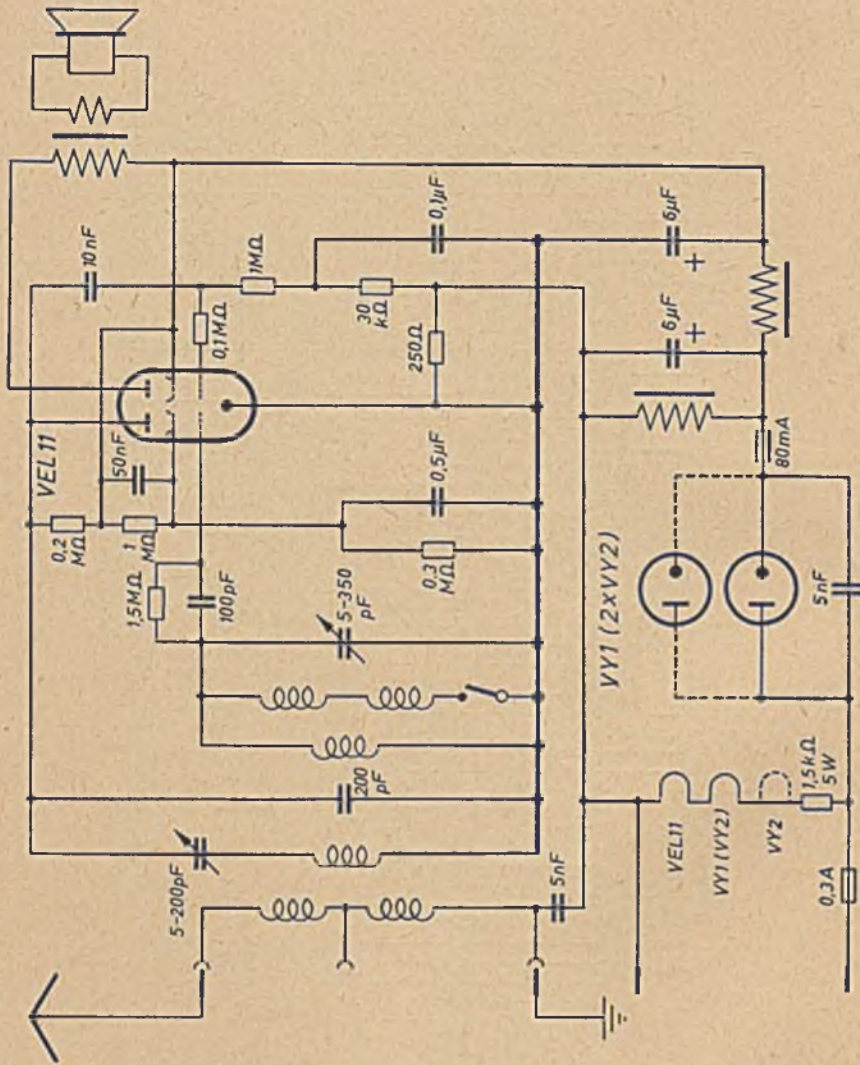




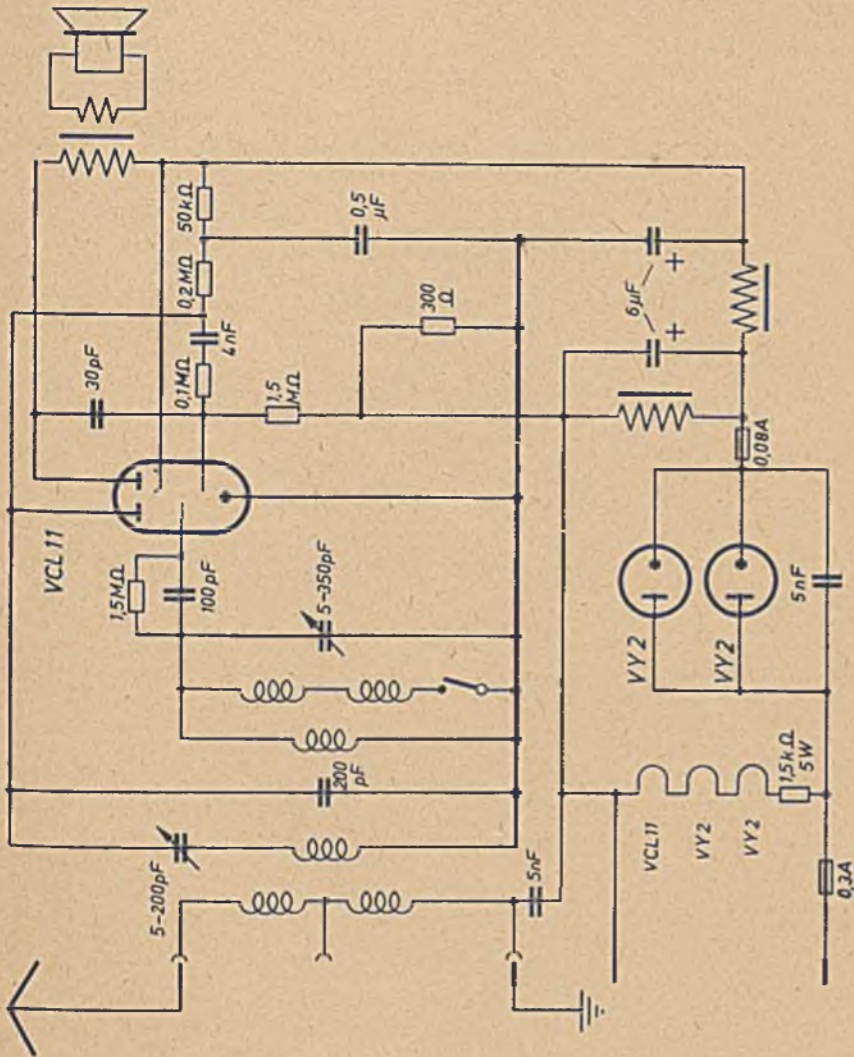


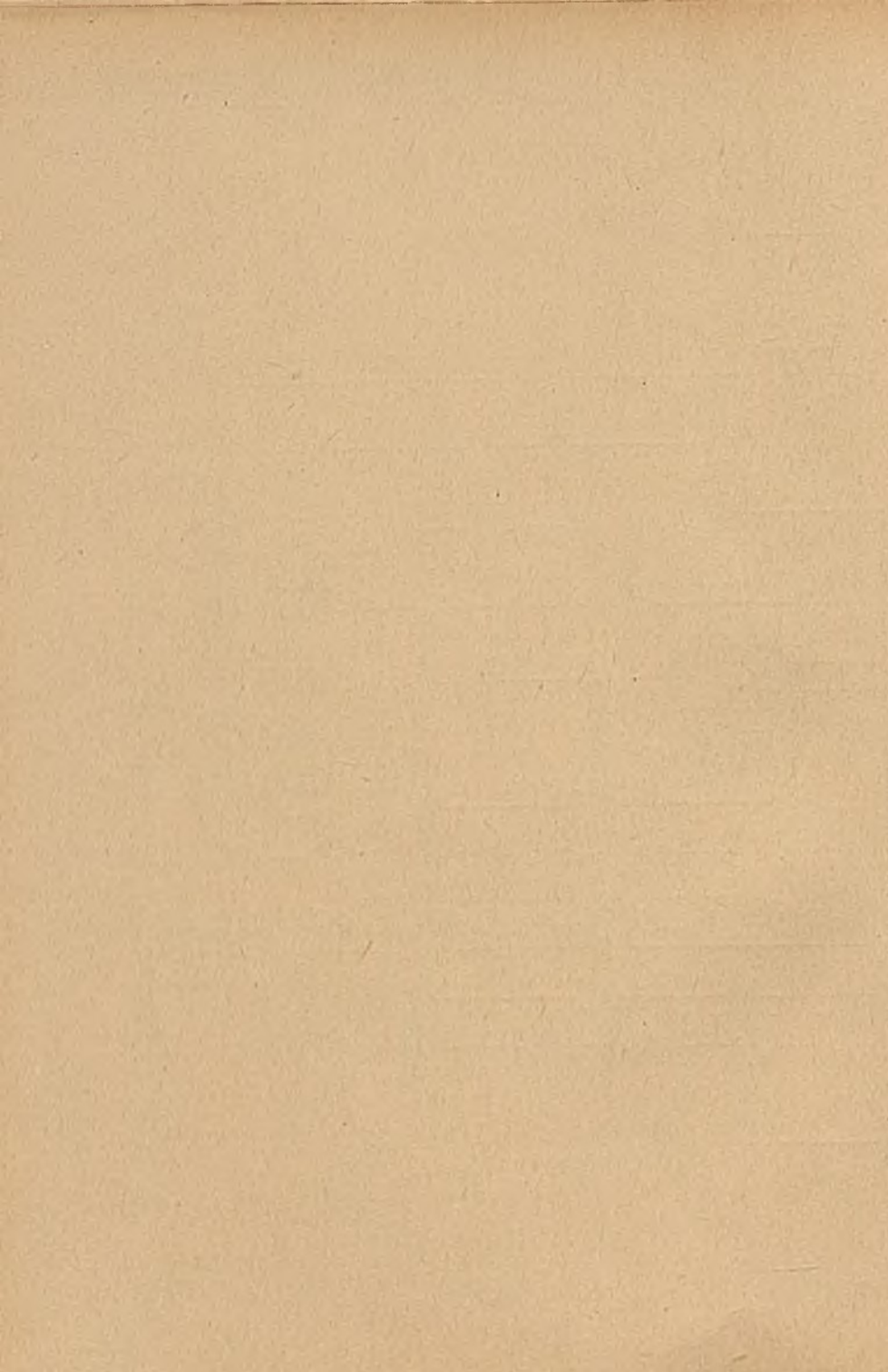






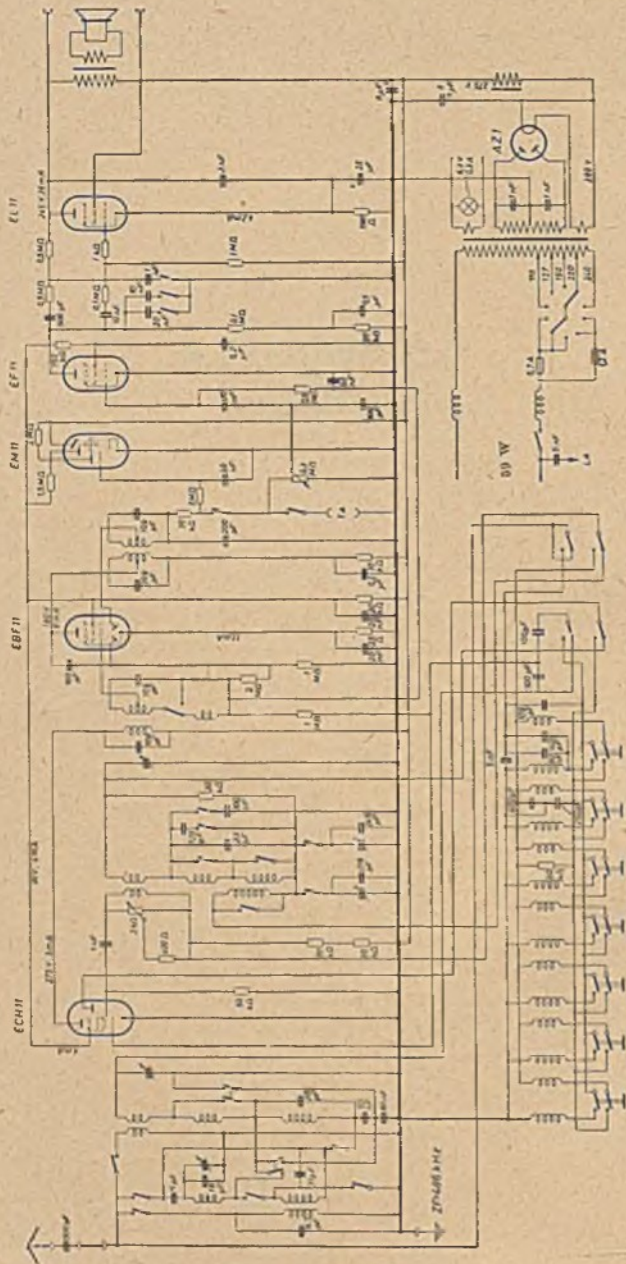


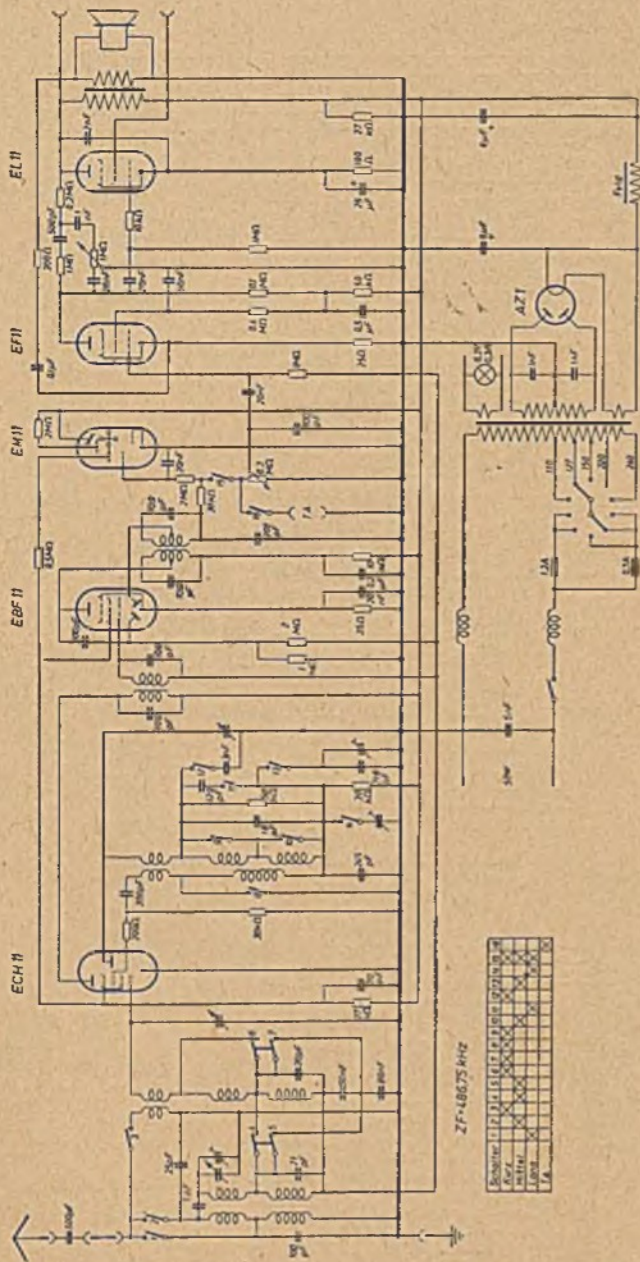


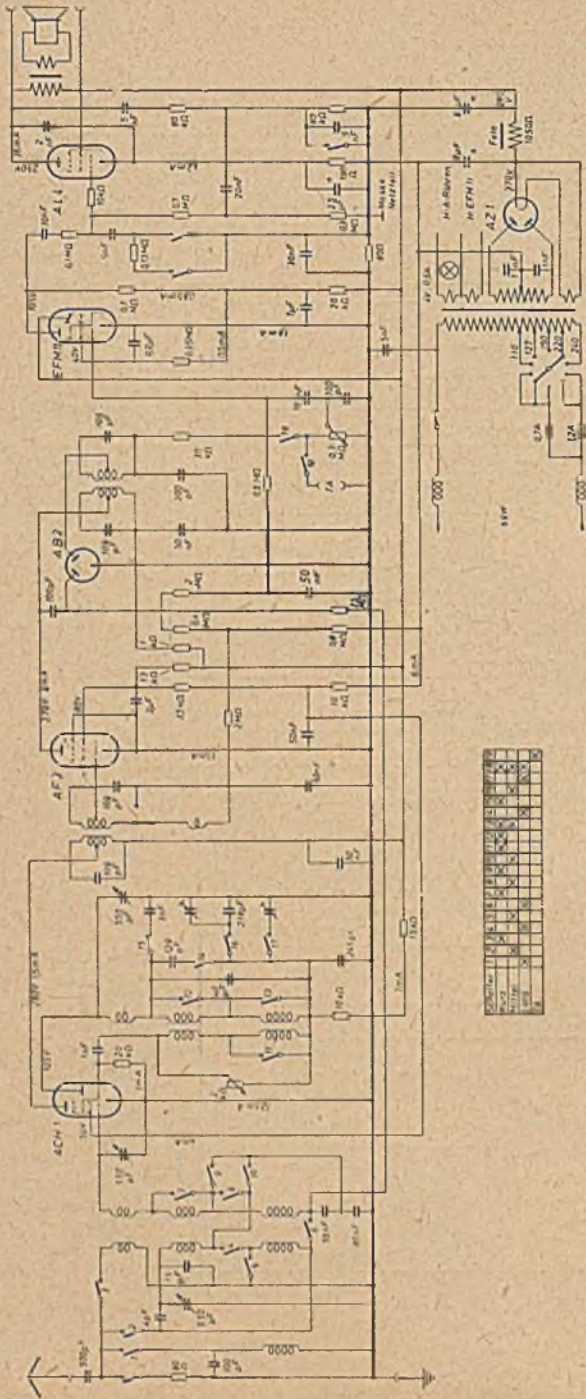


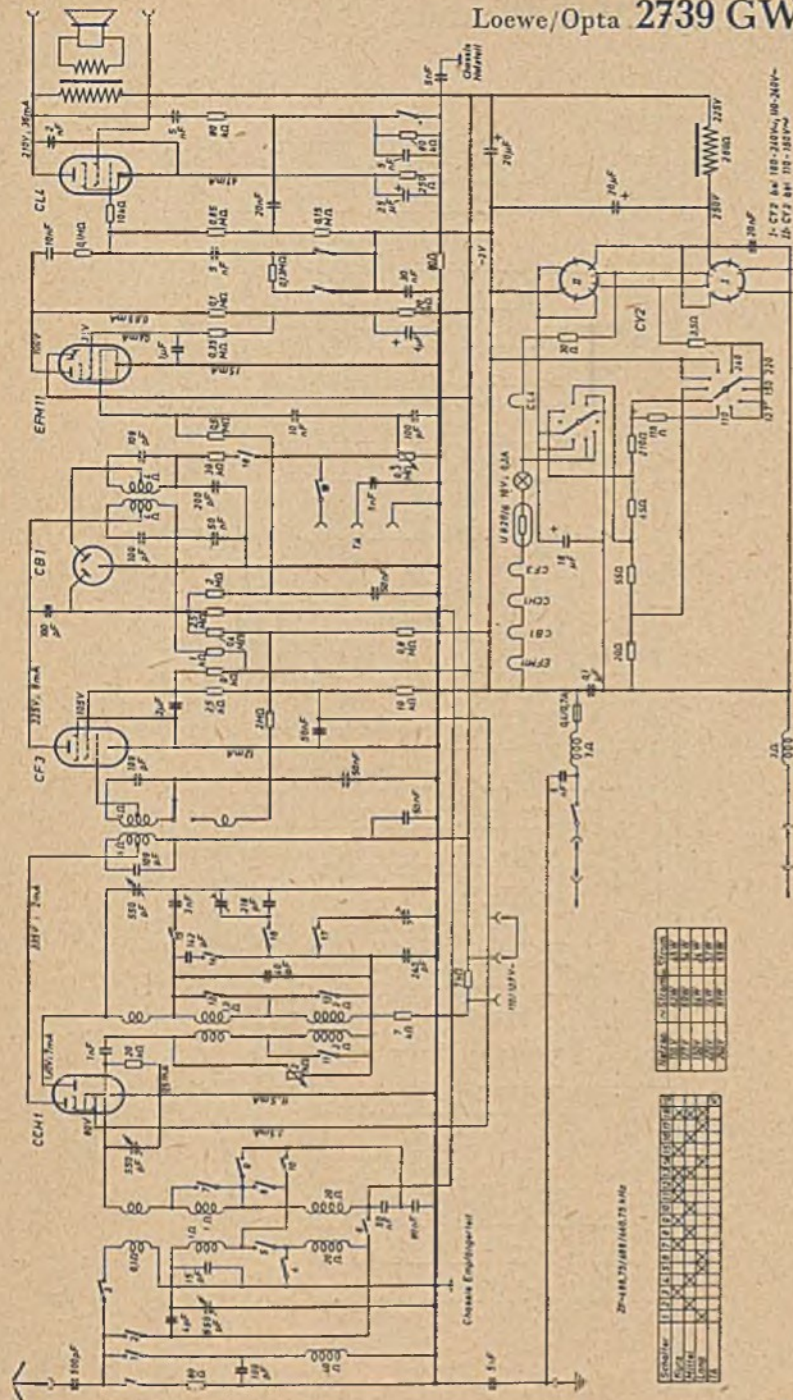
**LOEWE/OPTA**

*(Produktion vor 1945)*









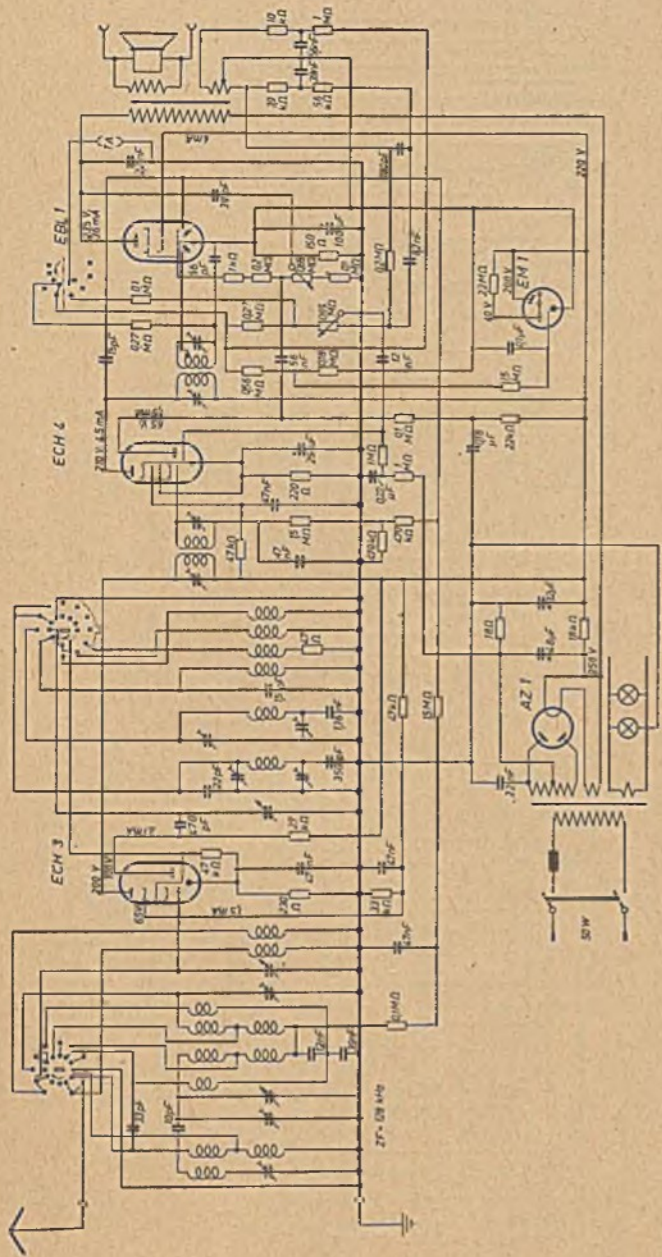
100k	100p	100n	100m
10k	10p	10n	10m
1k	1p	1n	1m
100	100	100	100
10	10	10	10
1	1	1	1

100k	100p	100n	100m
10k	10p	10n	10m
1k	1p	1n	1m
100	100	100	100
10	10	10	10
1	1	1	1

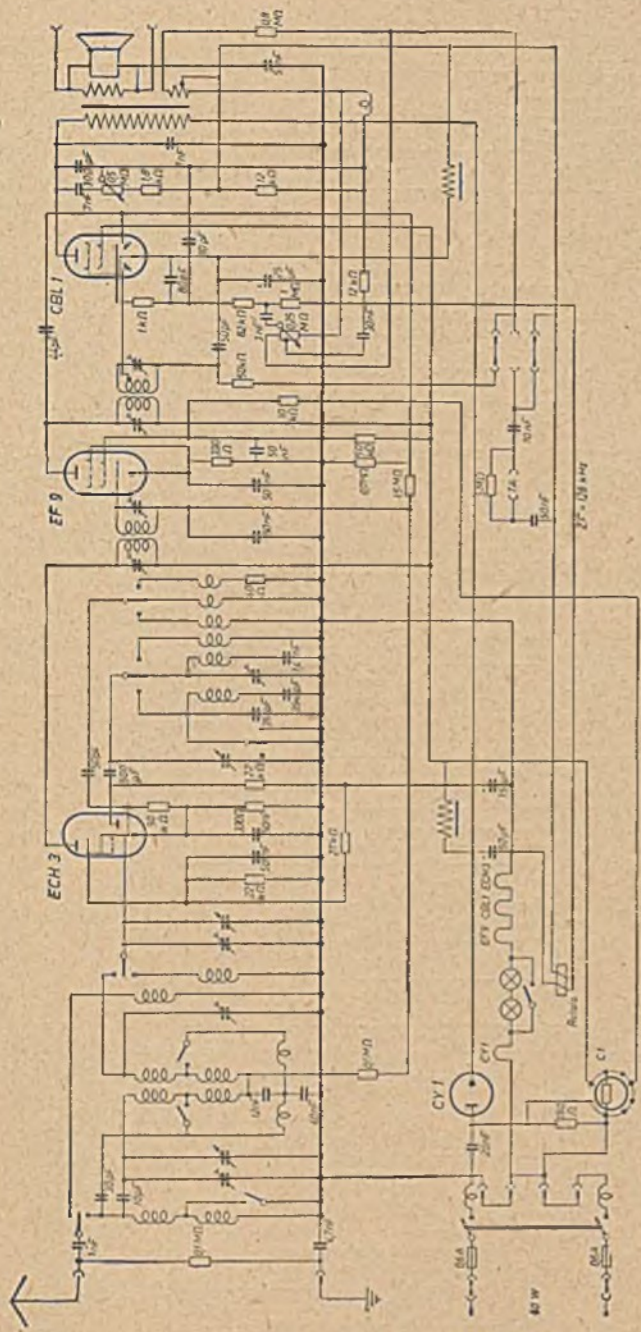
27-18.75/187/146.75 1/40

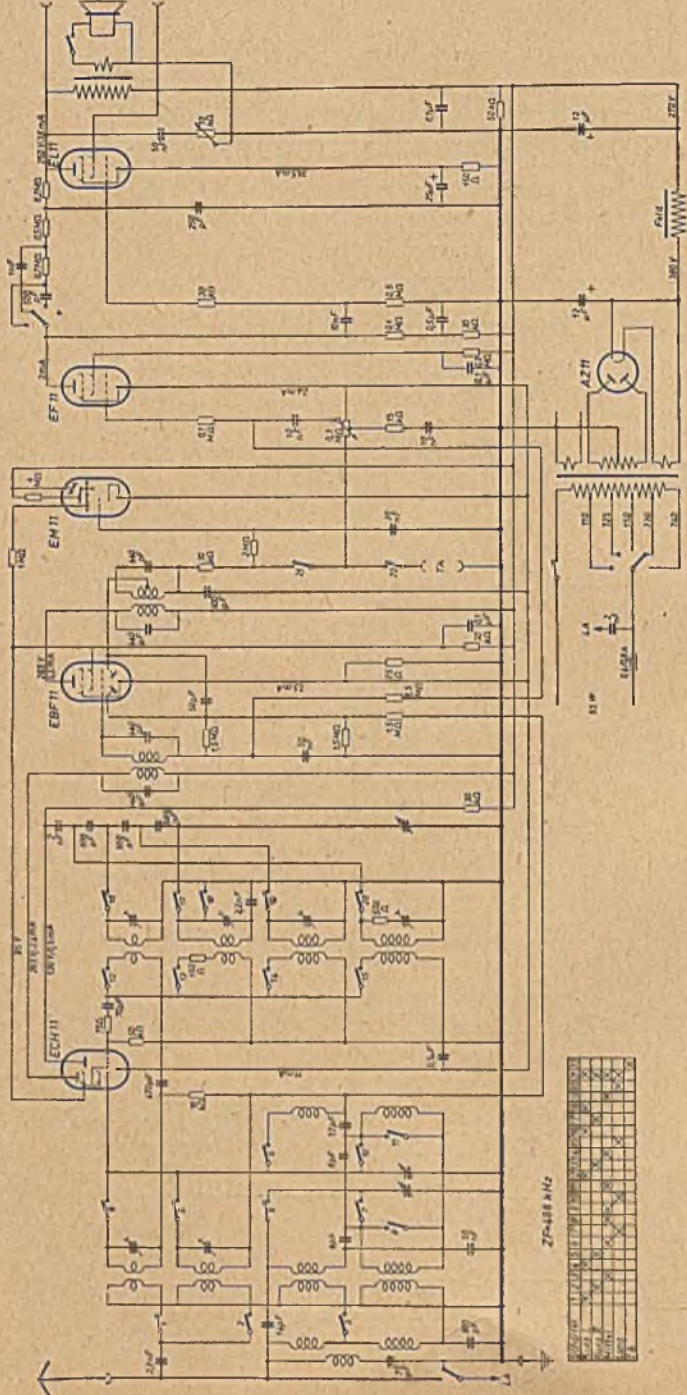


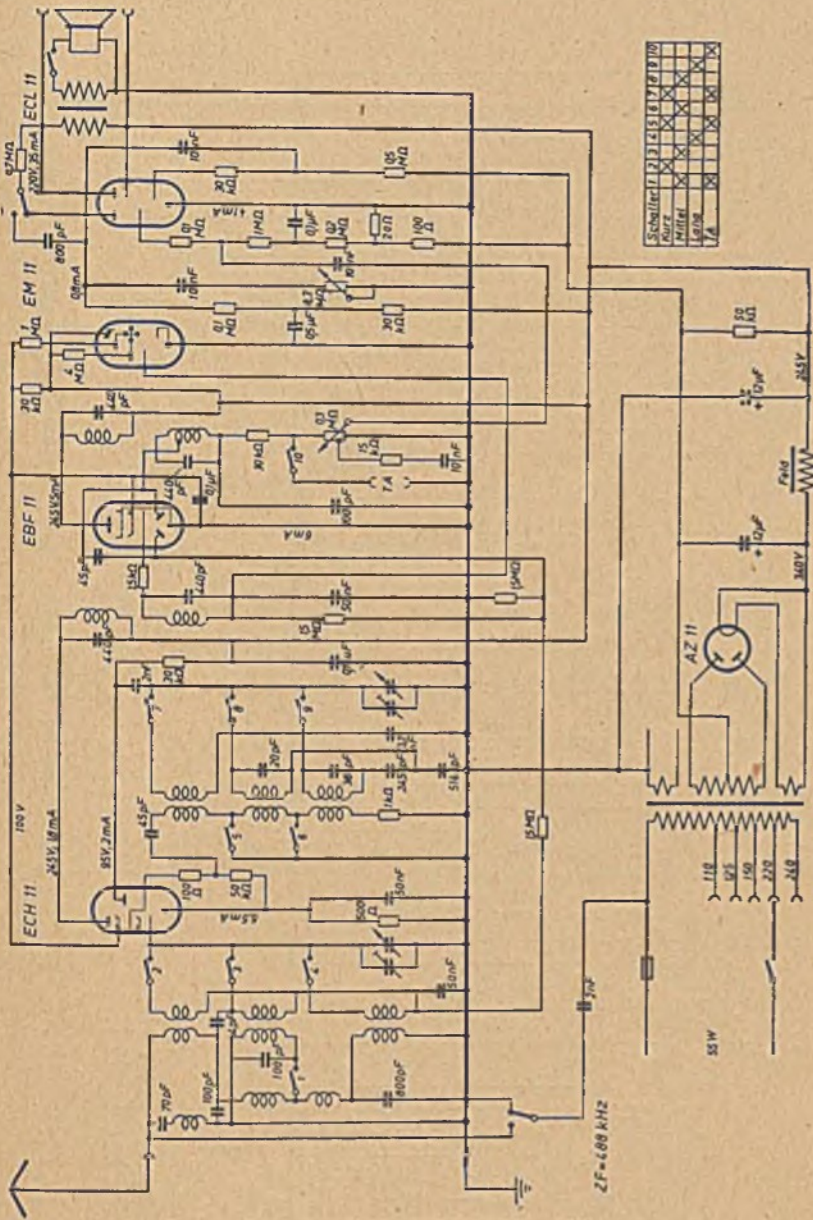




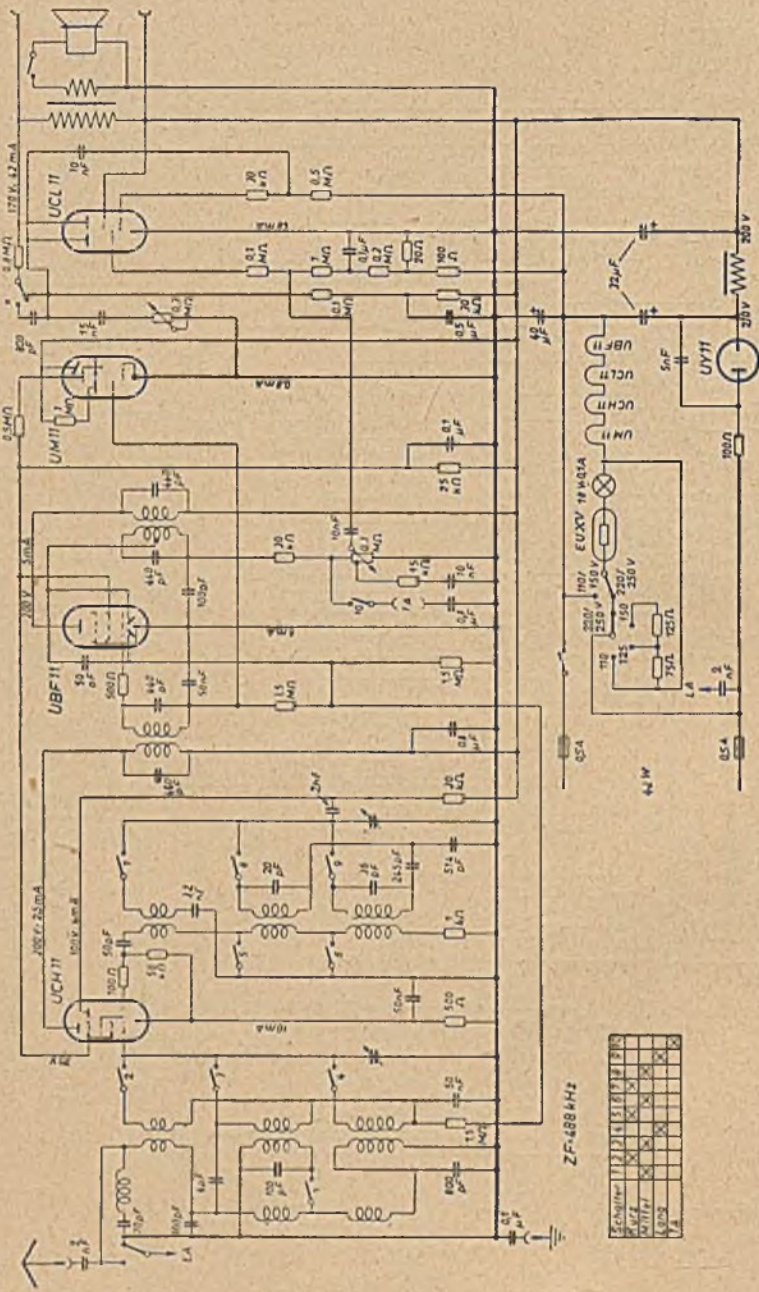


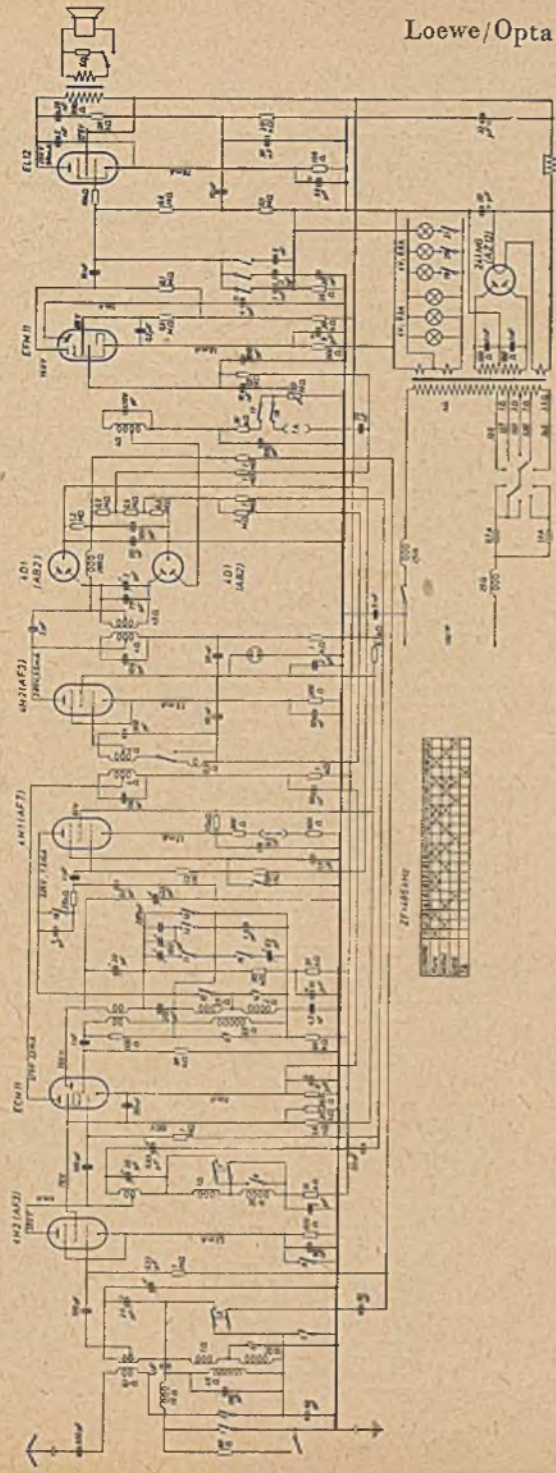


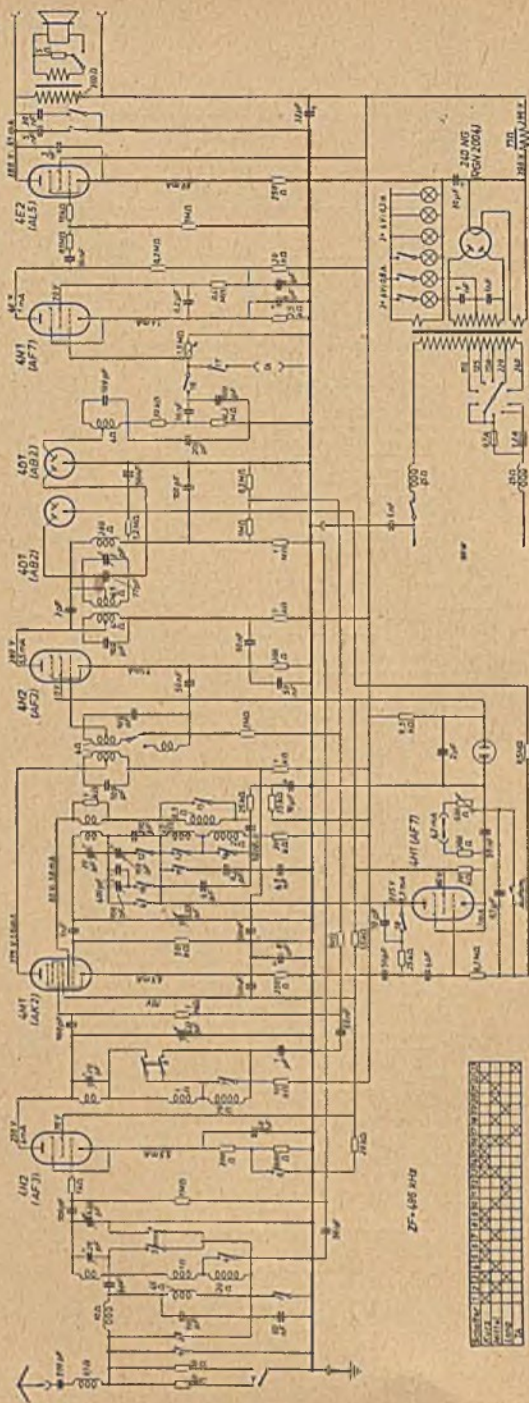




Schalter I	1	3	5	6	7	8	9	10
II	1	3	5	6	7	8	9	10
III	1	3	5	6	7	8	9	10
IV	1	3	5	6	7	8	9	10
V	1	3	5	6	7	8	9	10

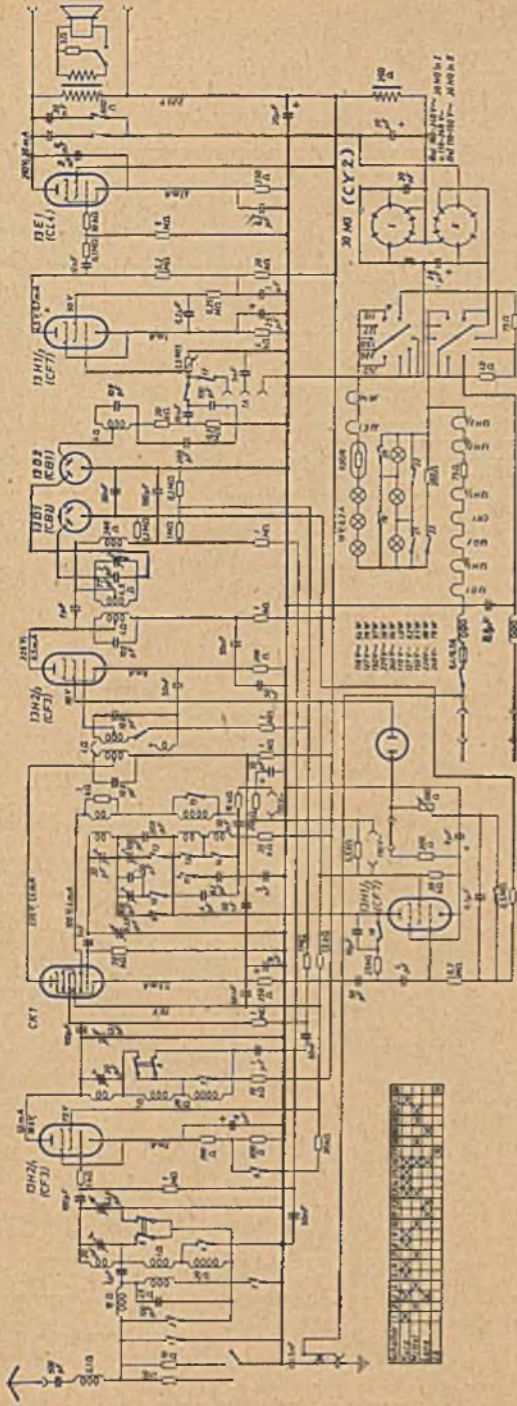


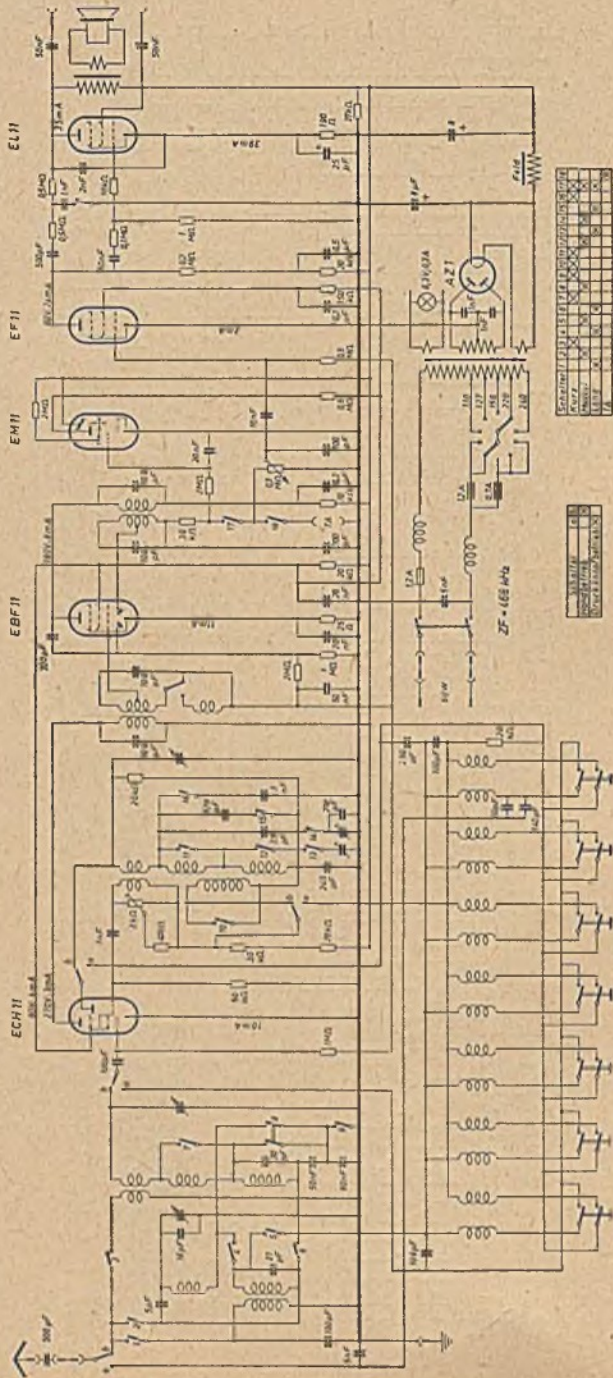


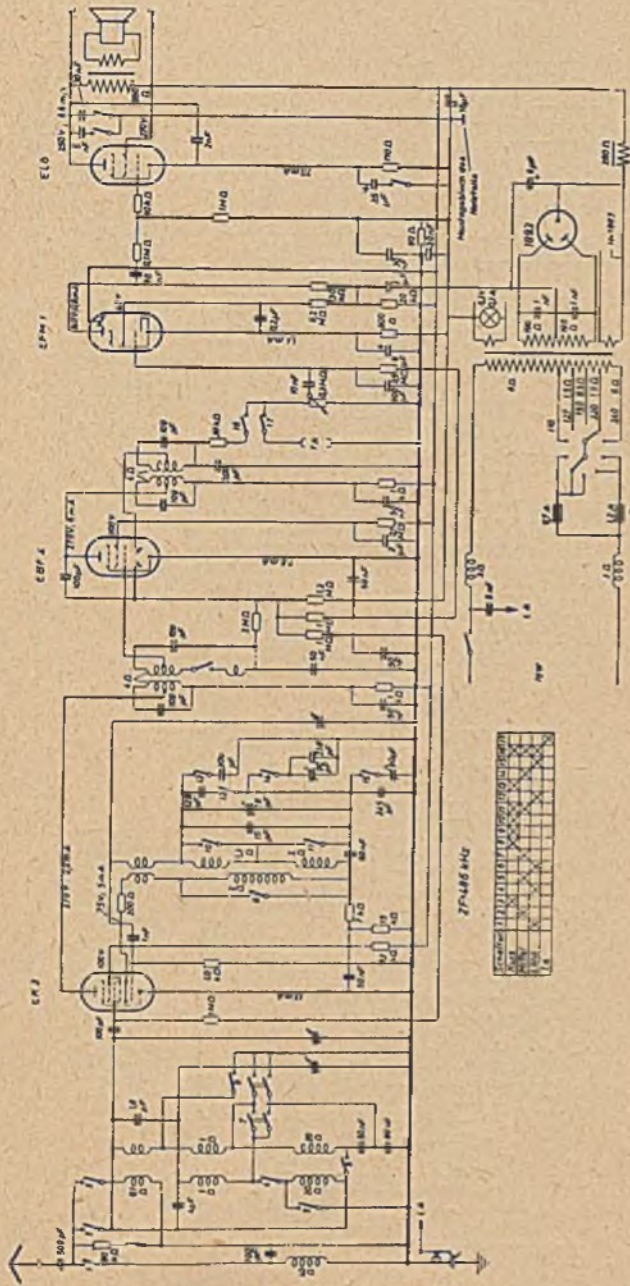




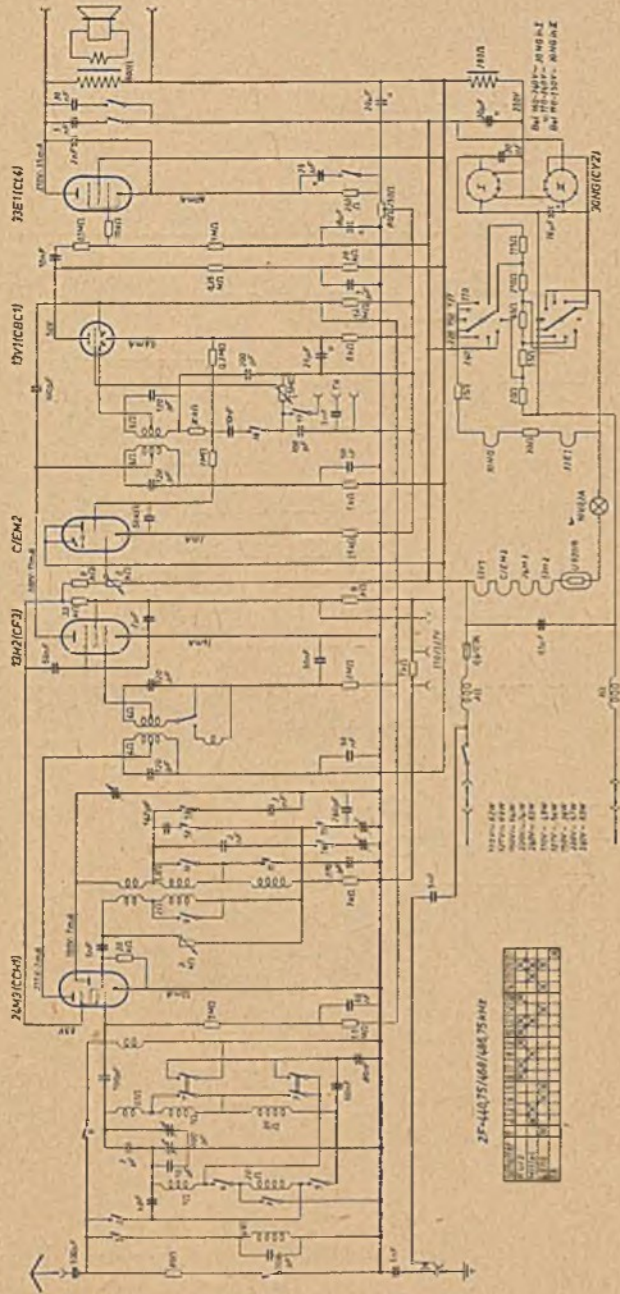
Loewe/Opta  
838 GW

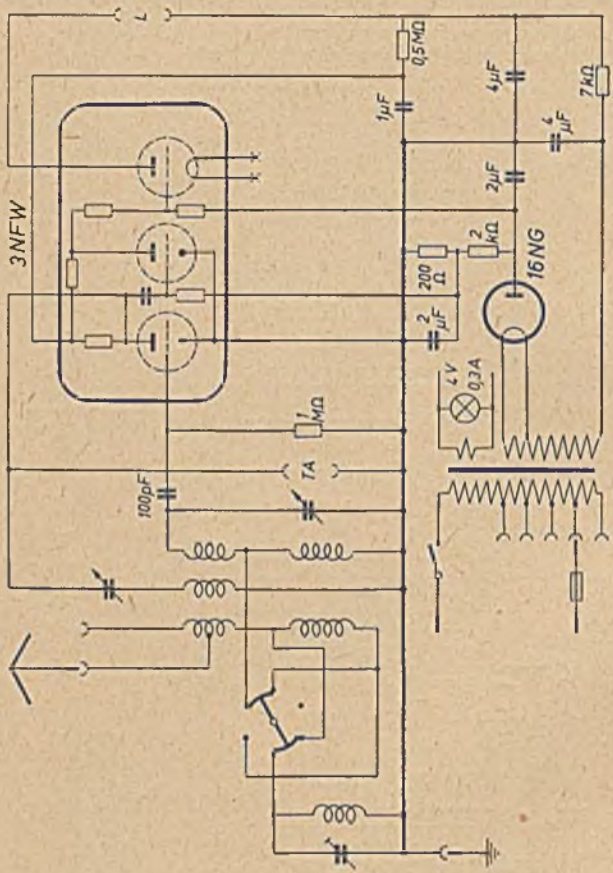


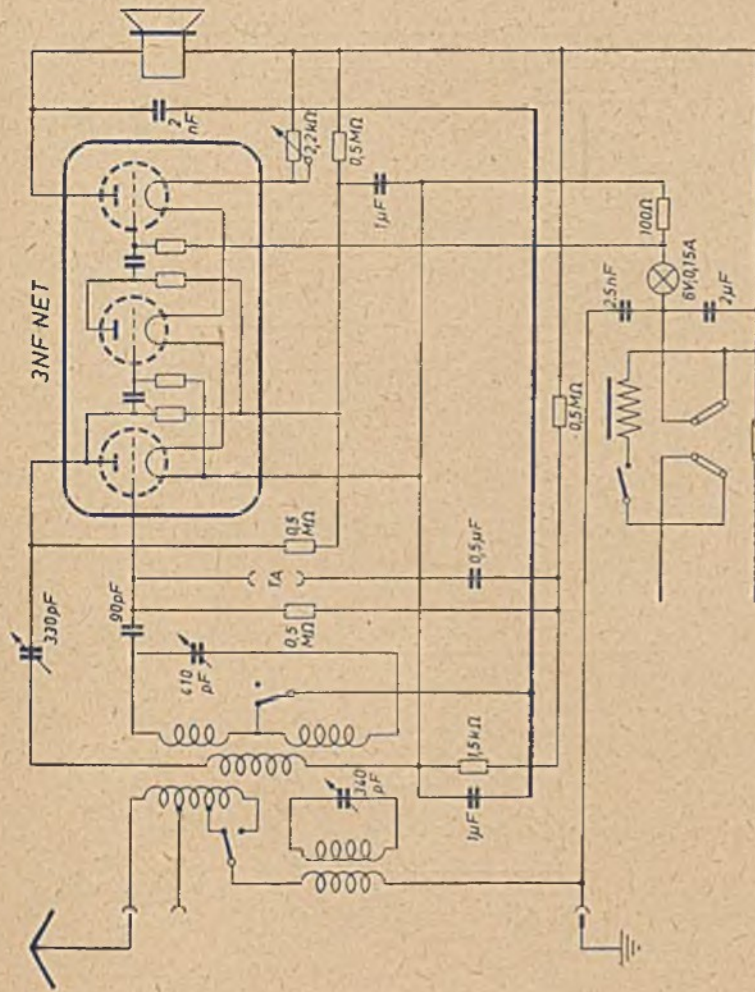


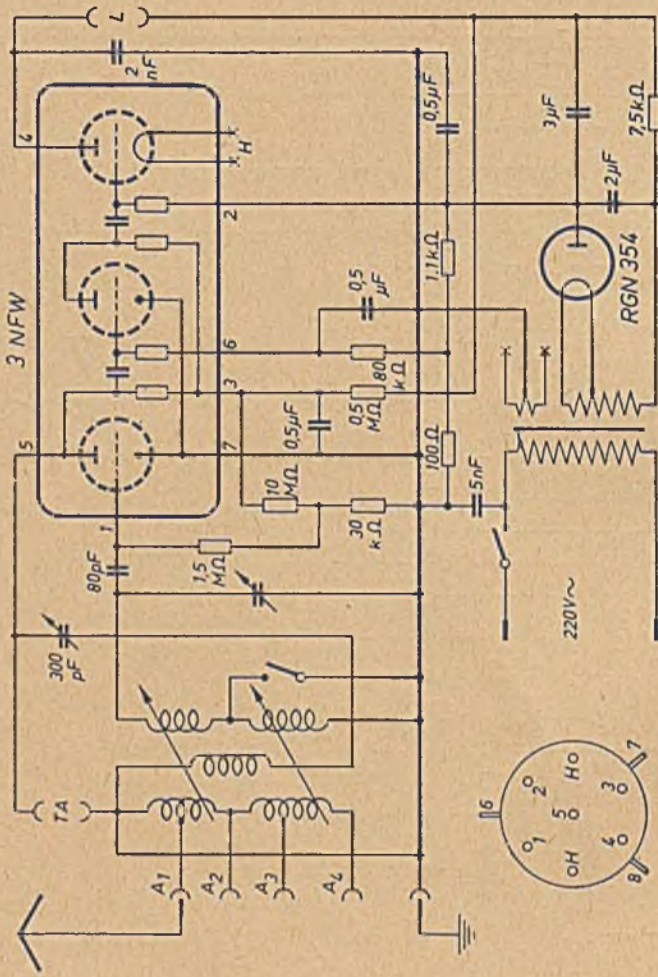




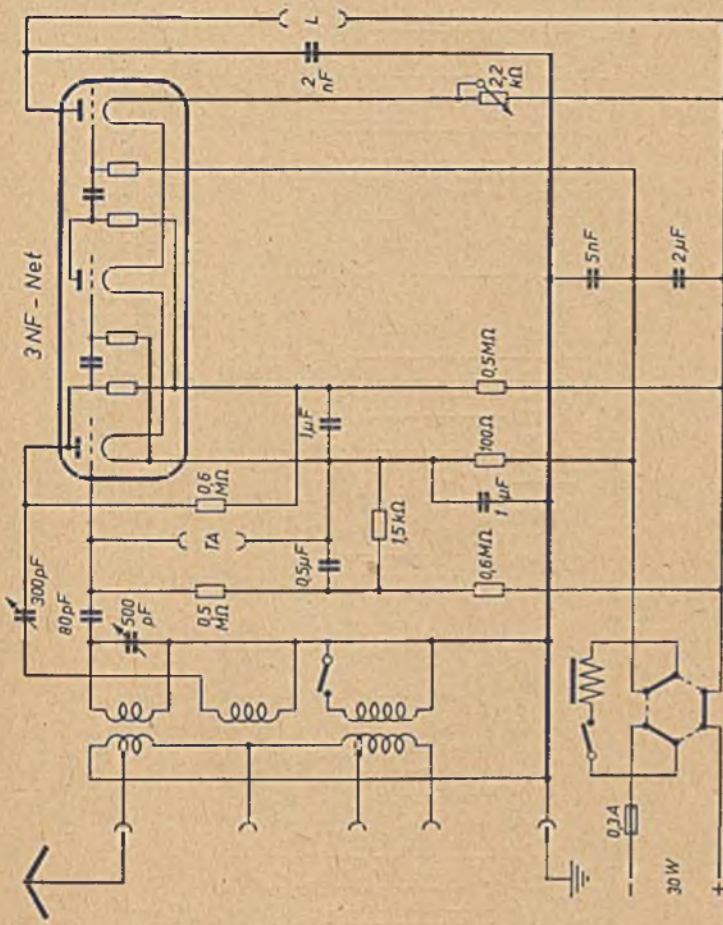


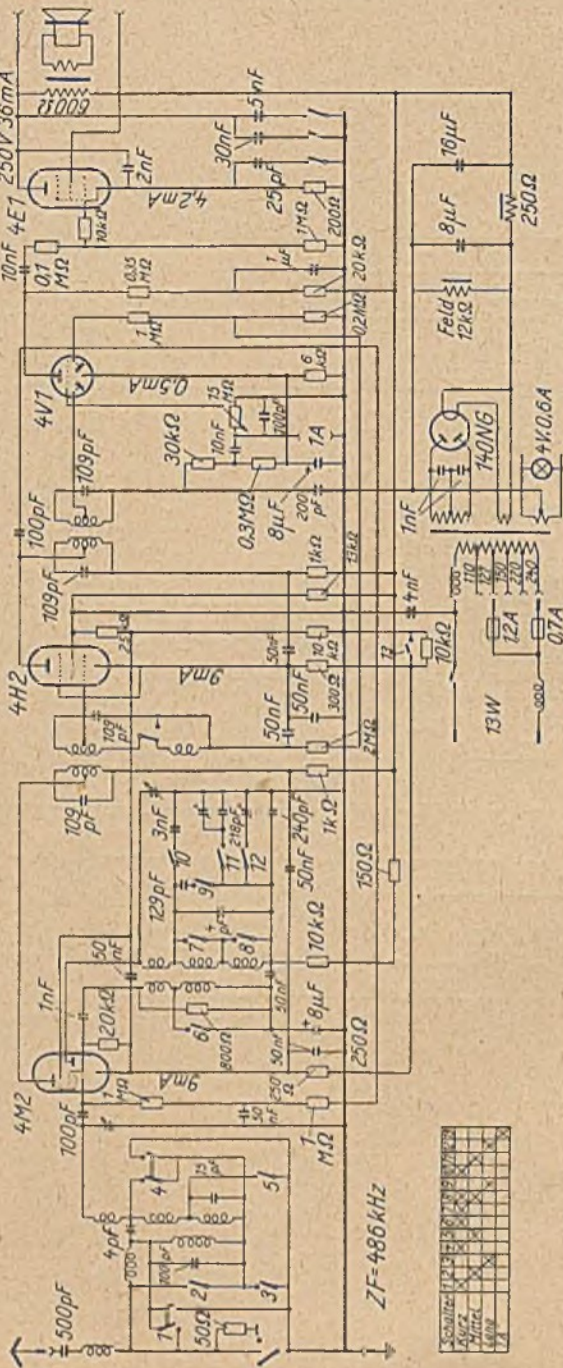


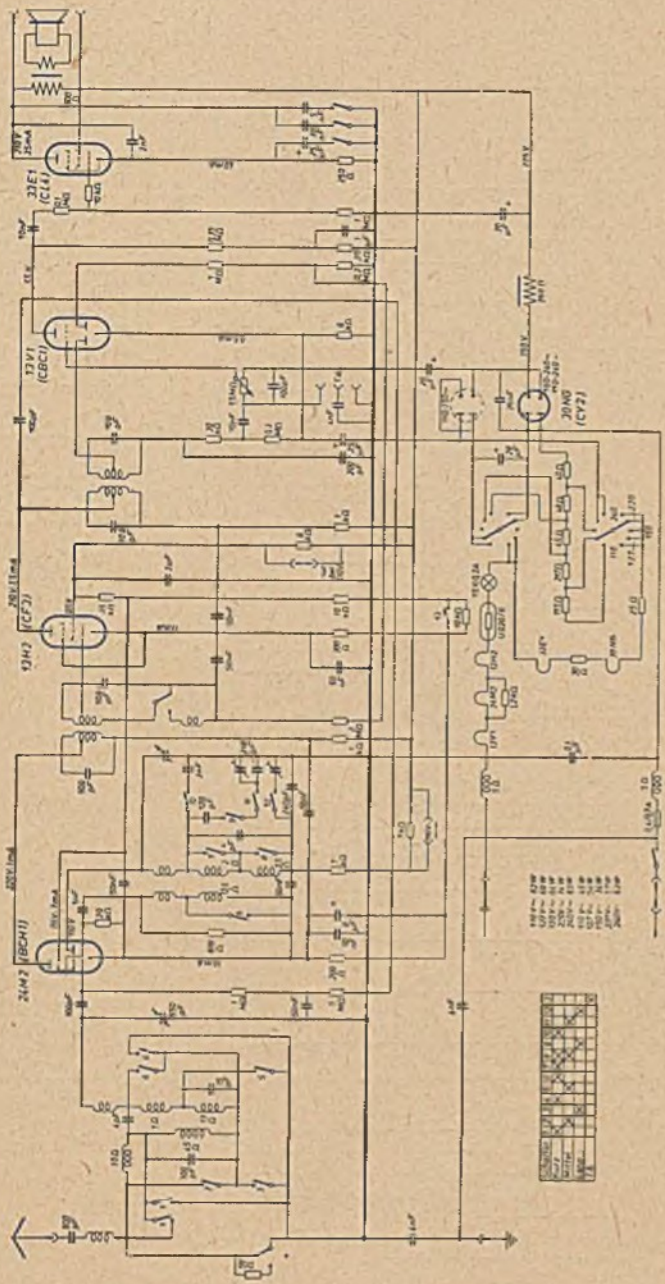


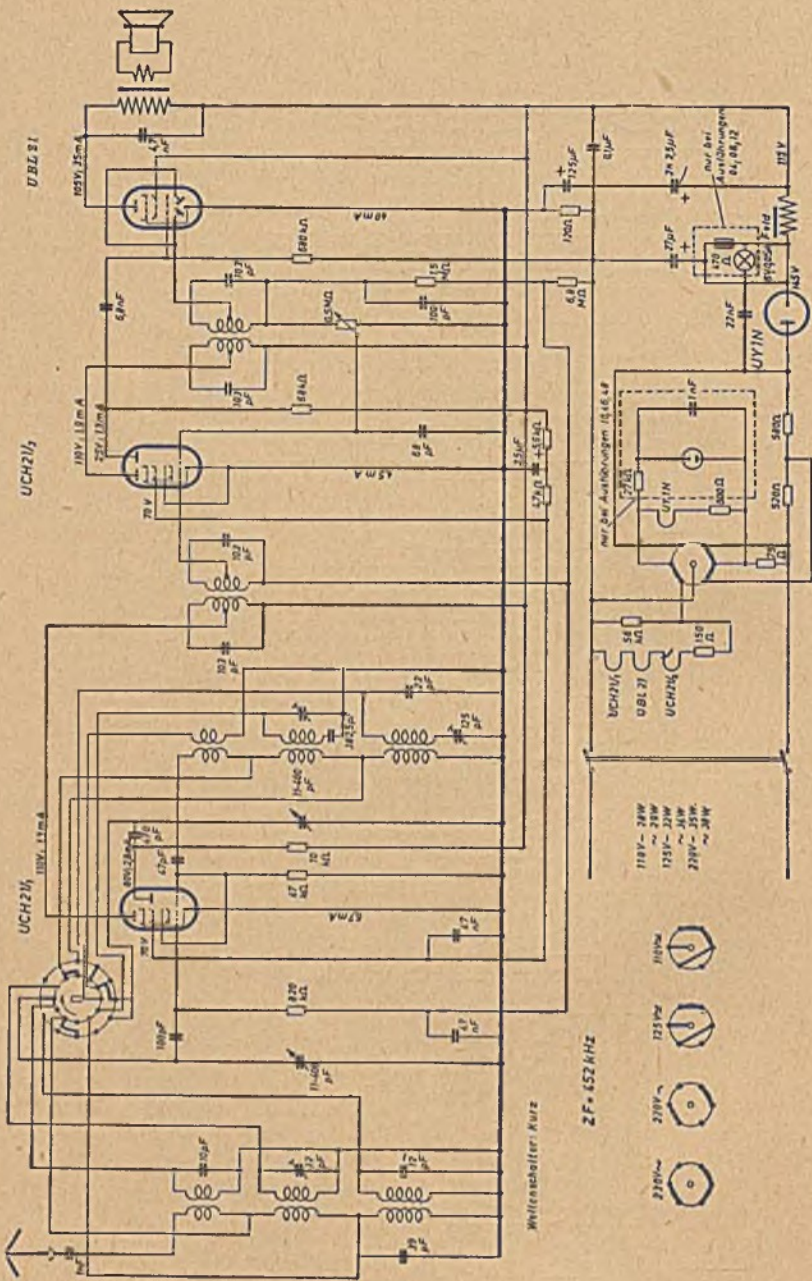


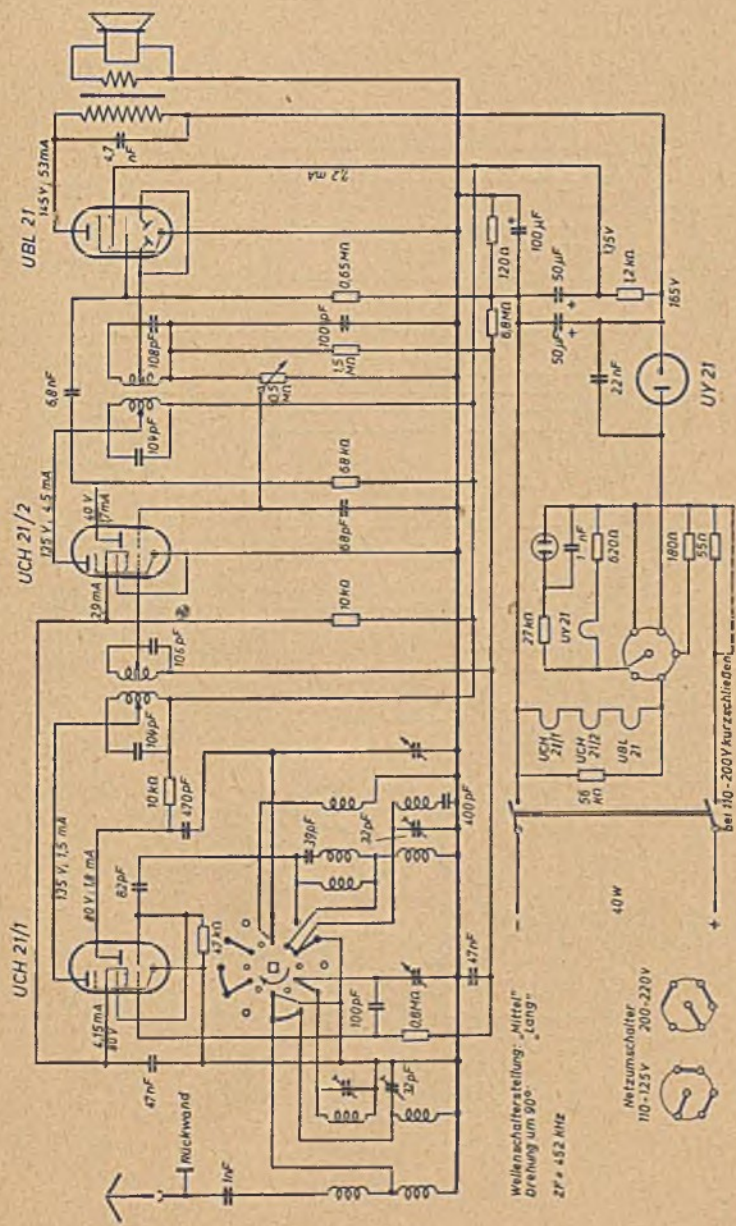


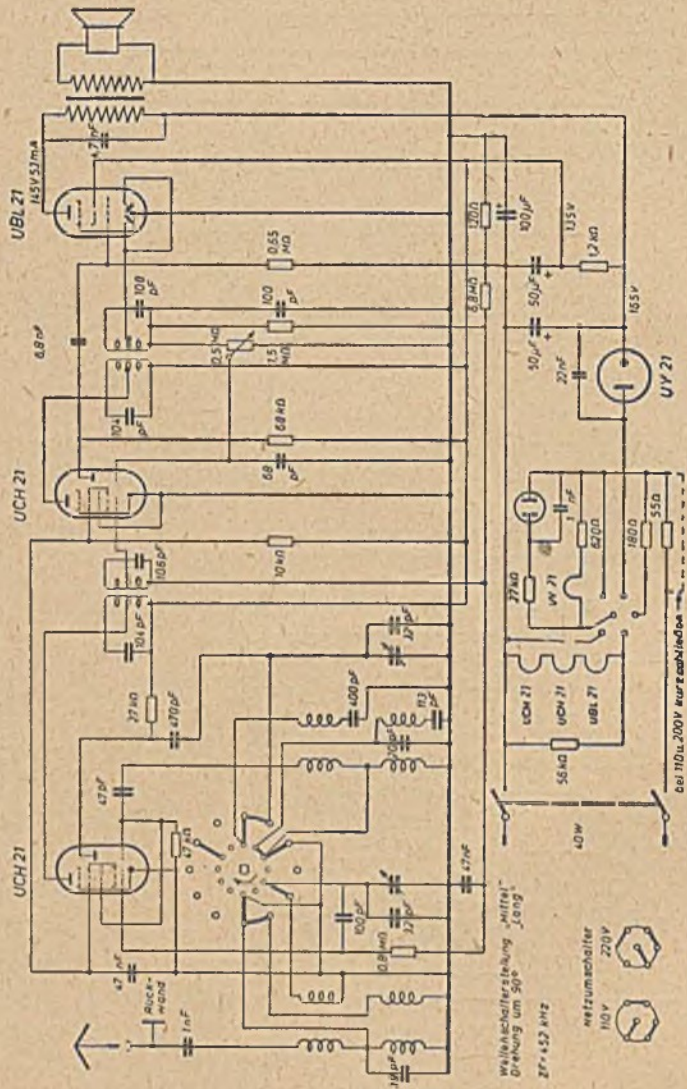


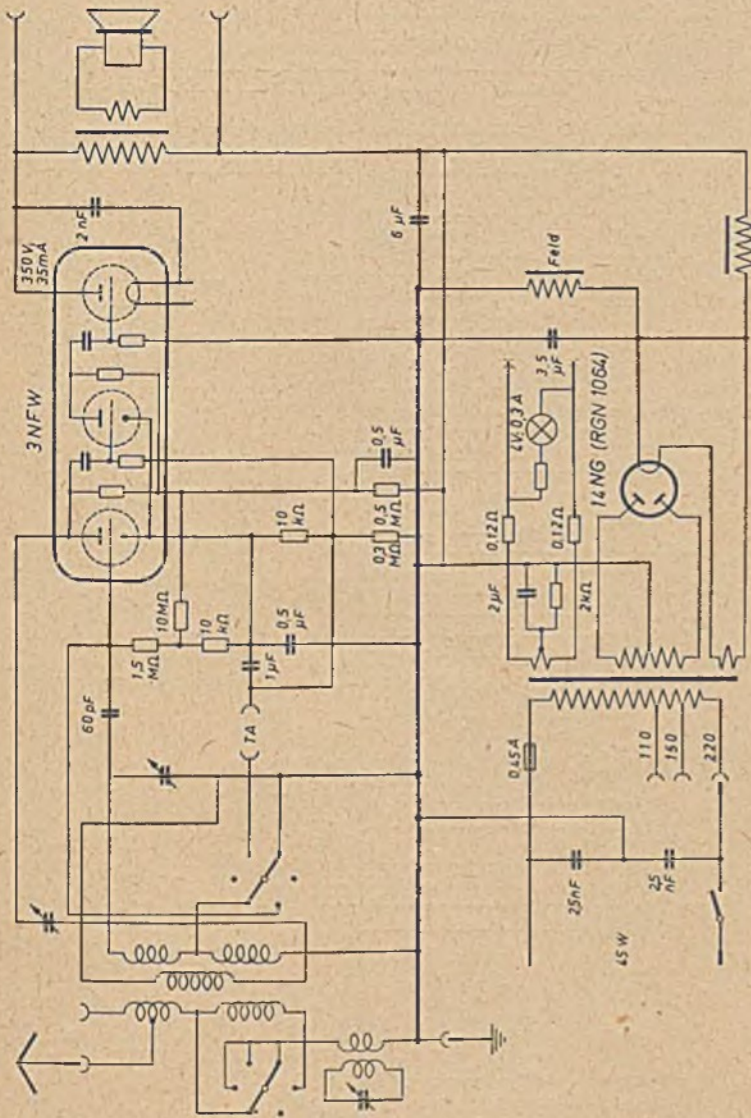


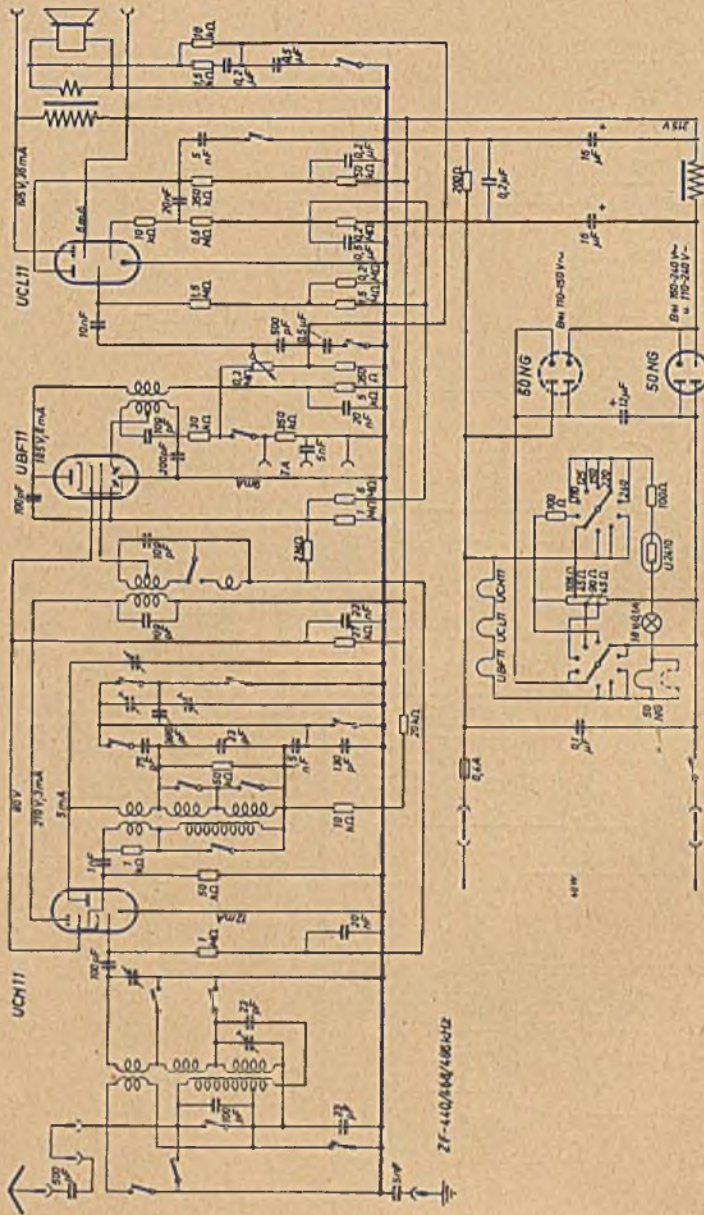




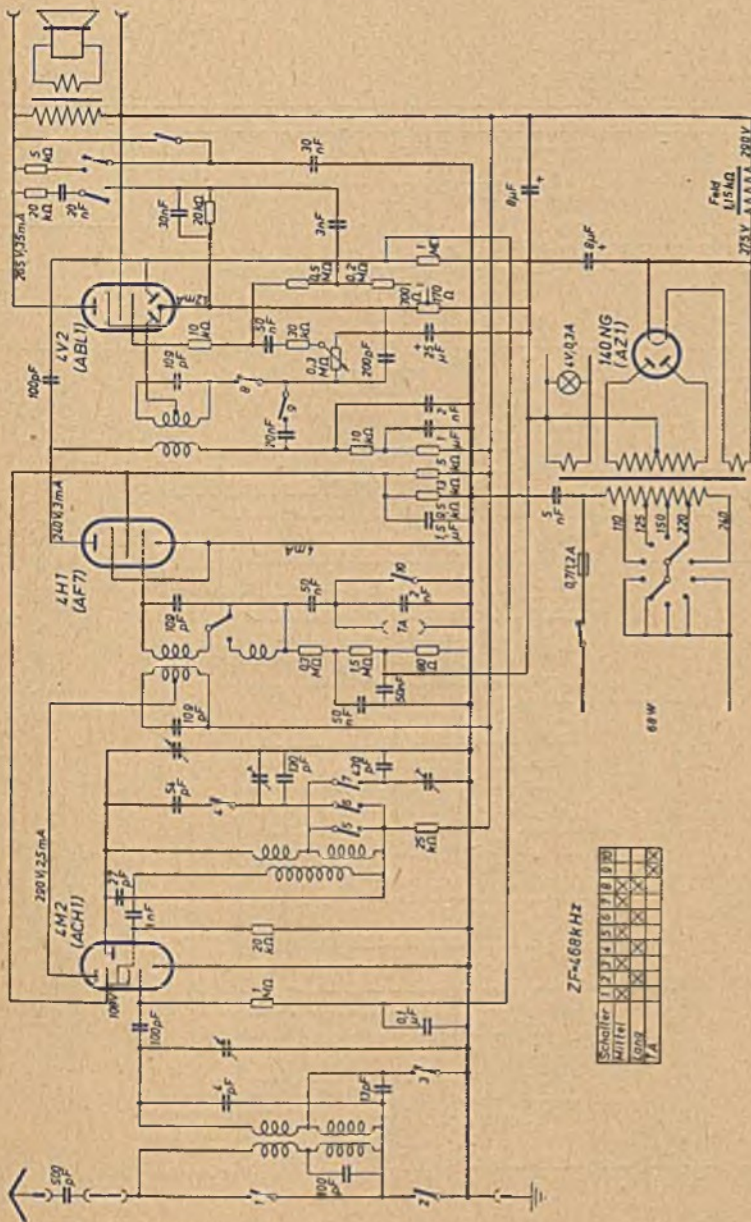






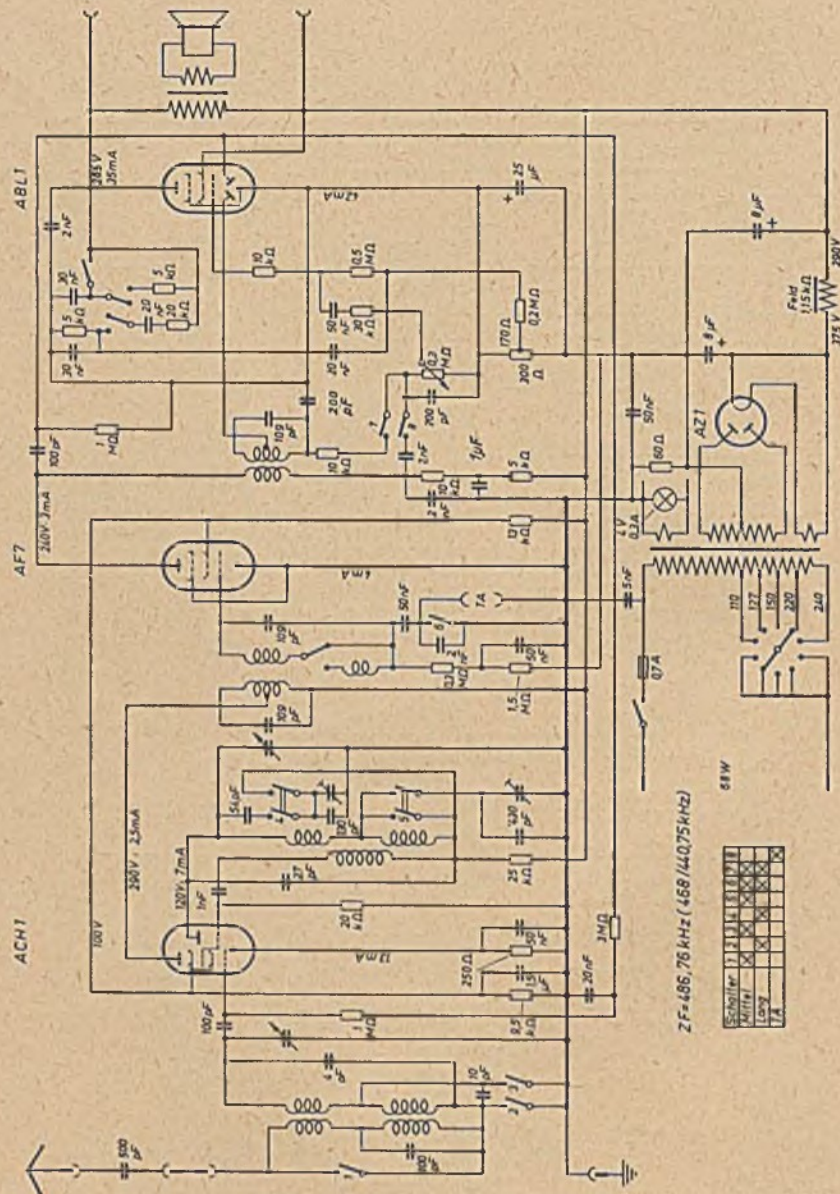






ZF-468KHZ

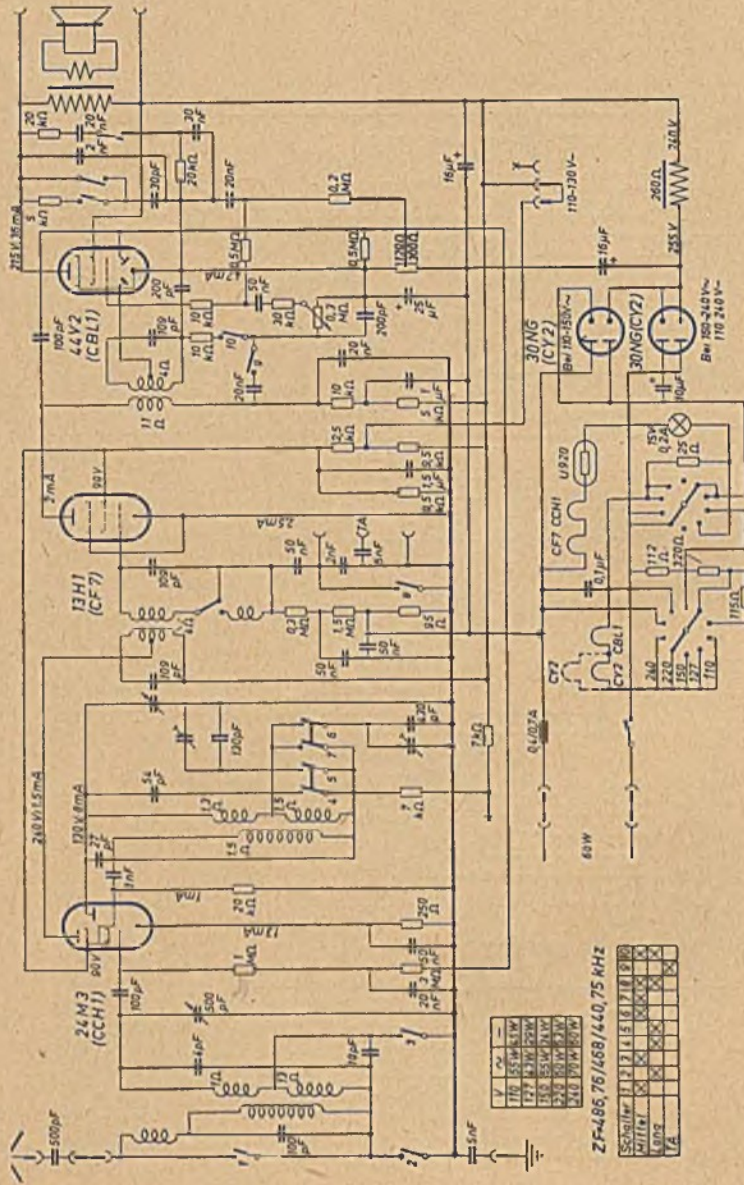
Schalter	1	2	3	4	5	6	7	8	9	0
Mittel	×	×	×	×	×	×	×	×	×	×
Ganz	×	×	×	×	×	×	×	×	×	×
V.A.	×	×	×	×	×	×	×	×	×	×



ZF = 486,76 kHz (468 / 440,75 kHz)

Schalter	1	2	3	4	5	6	7	8	9	10	11
Mittel											
Lowy											
TA											

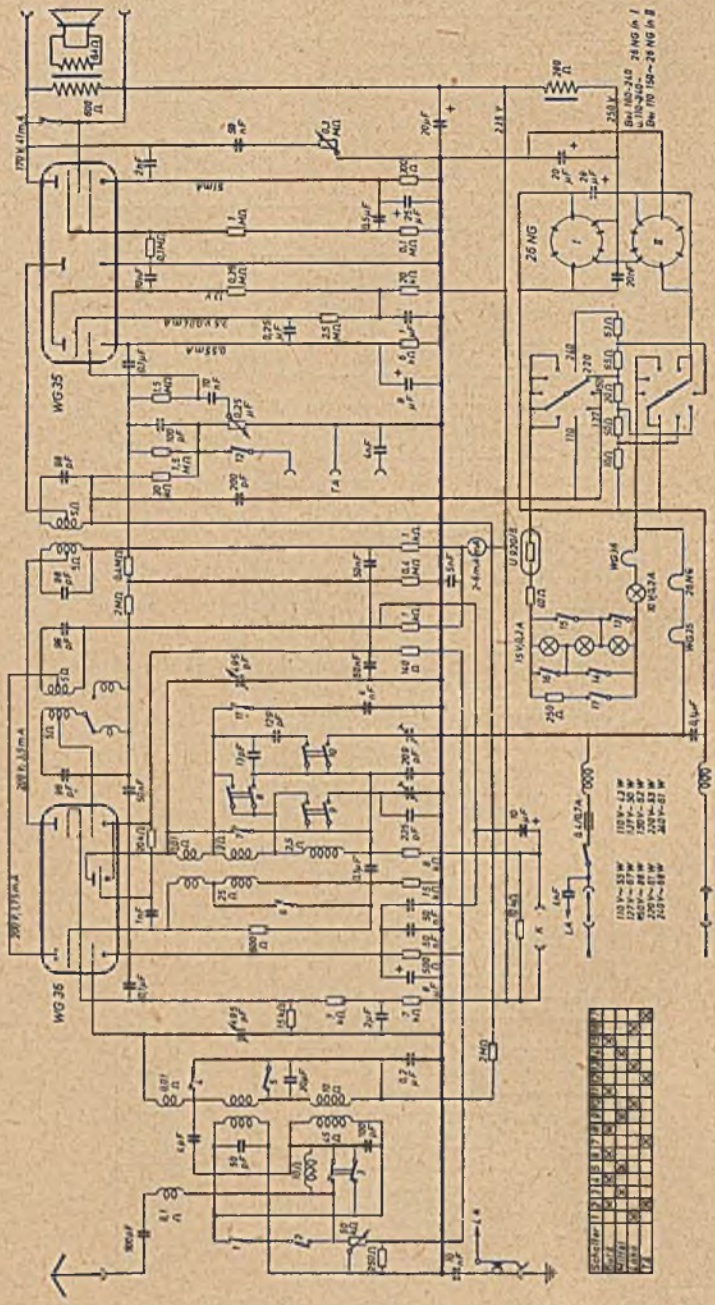




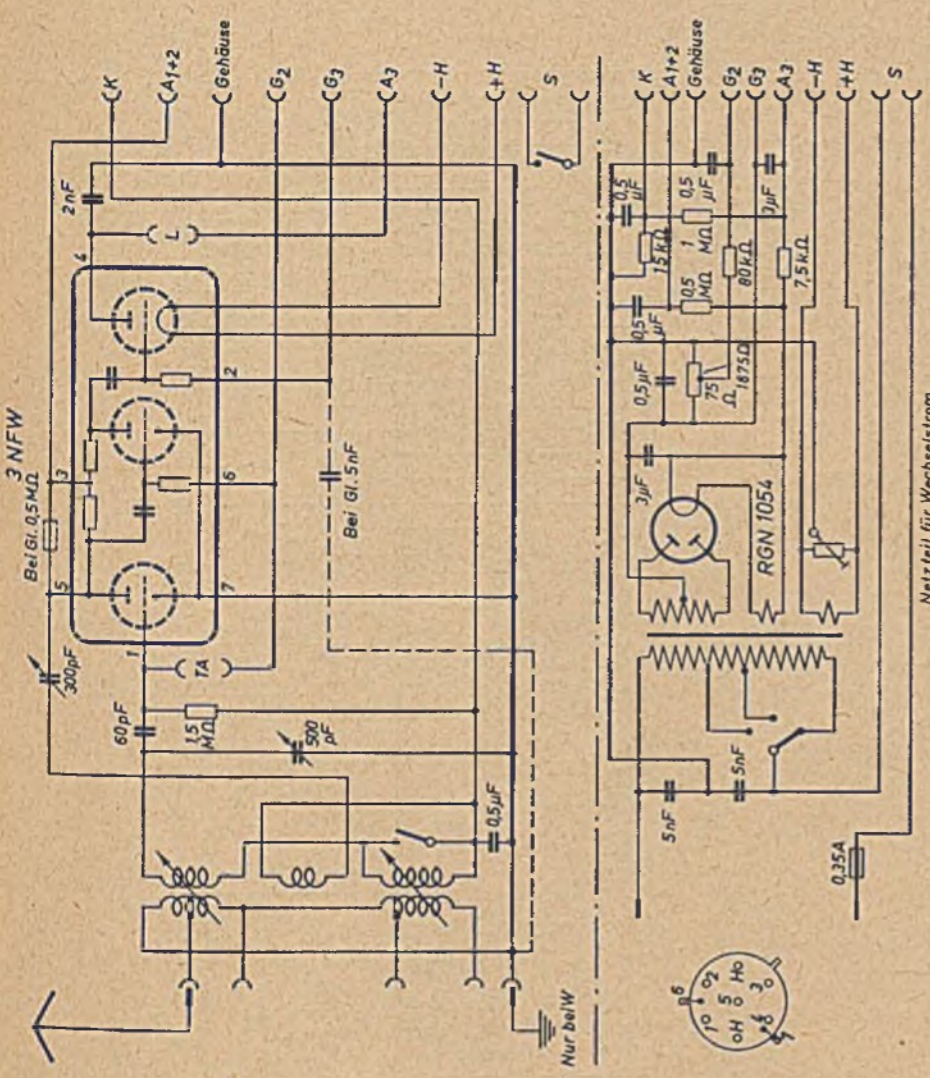
V	~								
110	55W	55W	55W	55W	55W	55W	55W	55W	55W
120	55W	55W	55W	55W	55W	55W	55W	55W	55W
130	55W	55W	55W	55W	55W	55W	55W	55W	55W
140	55W	55W	55W	55W	55W	55W	55W	55W	55W
150	55W	55W	55W	55W	55W	55W	55W	55W	55W
160	55W	55W	55W	55W	55W	55W	55W	55W	55W
170	55W	55W	55W	55W	55W	55W	55W	55W	55W
180	55W	55W	55W	55W	55W	55W	55W	55W	55W
190	55W	55W	55W	55W	55W	55W	55W	55W	55W
200	55W	55W	55W	55W	55W	55W	55W	55W	55W
210	55W	55W	55W	55W	55W	55W	55W	55W	55W
220	55W	55W	55W	55W	55W	55W	55W	55W	55W
230	55W	55W	55W	55W	55W	55W	55W	55W	55W
240	55W	55W	55W	55W	55W	55W	55W	55W	55W

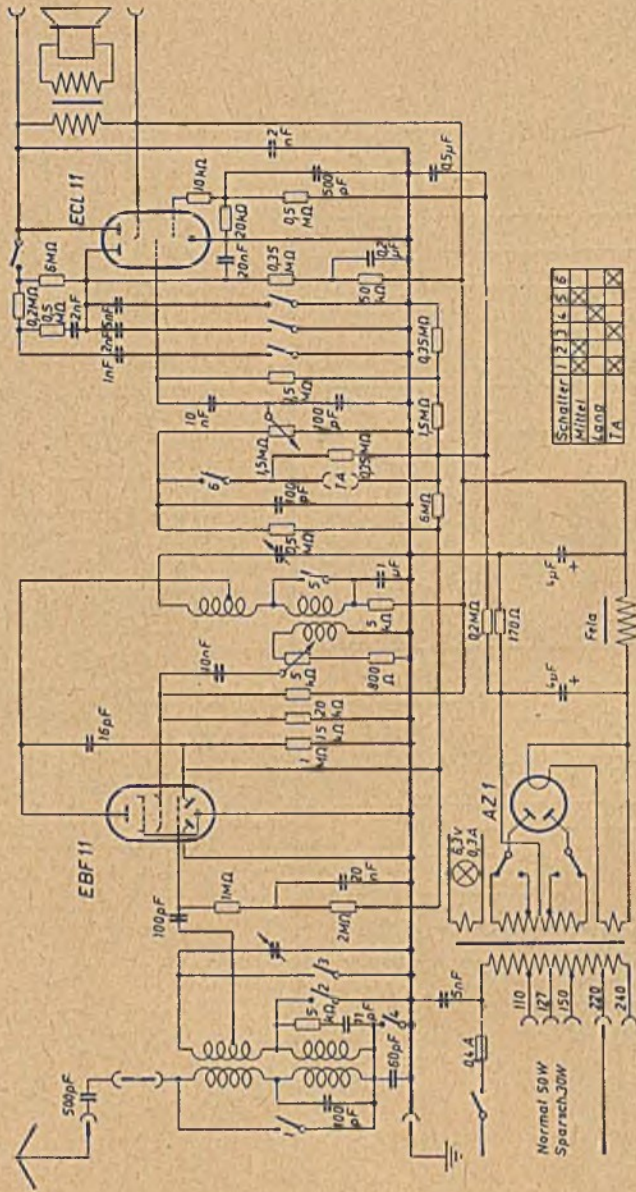
ZF-486,75/468/440,75 KHZ





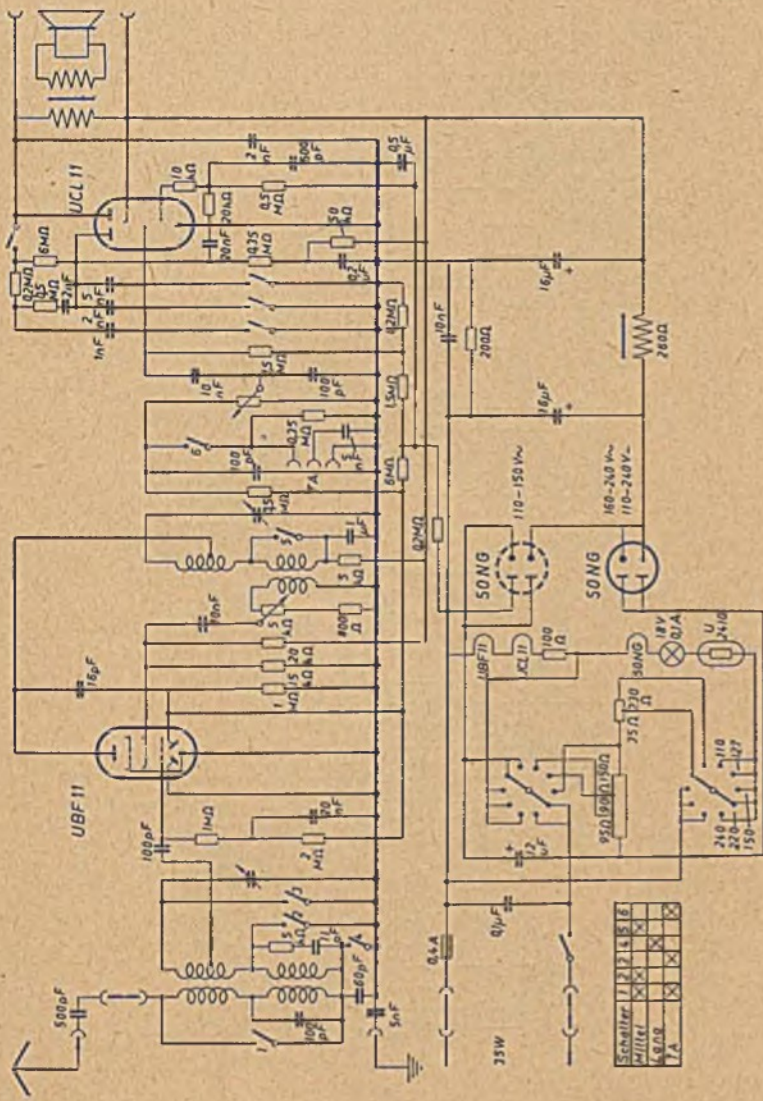
112

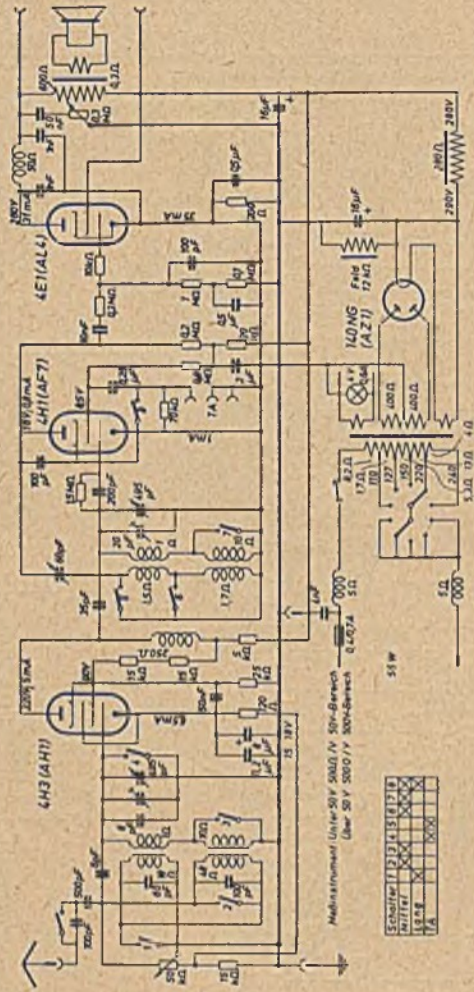




Schalter	1	2	3	4	5	6
Mittel		X	X	X	X	X
Lang						X
TA						X





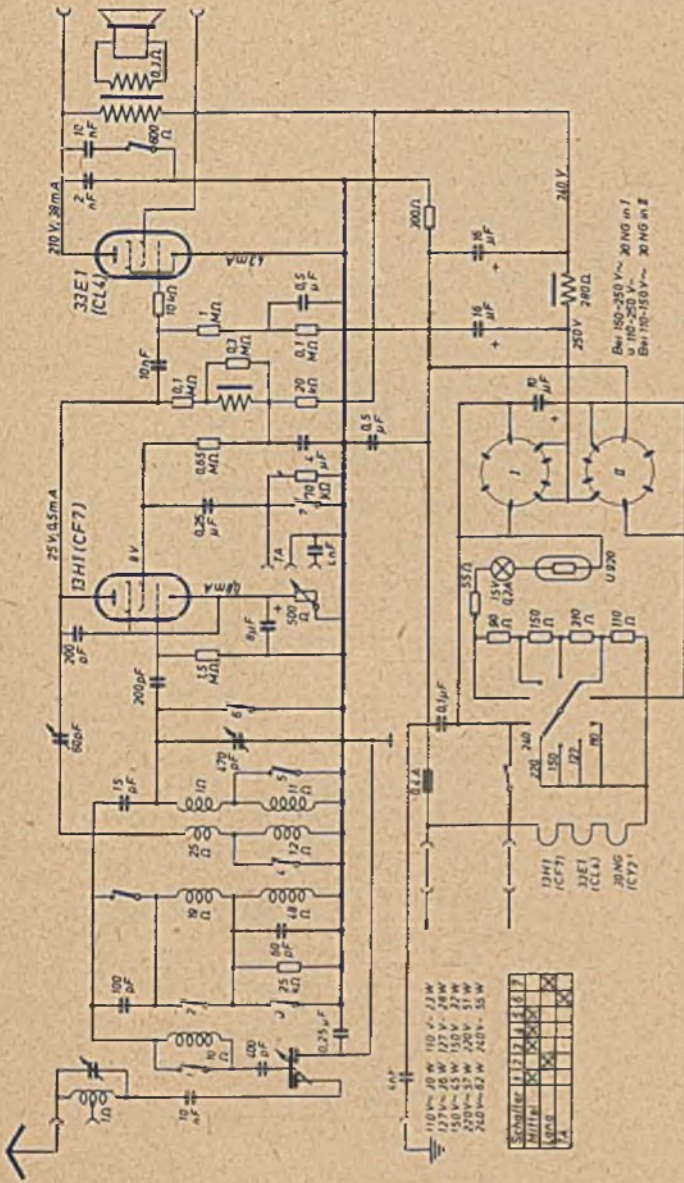


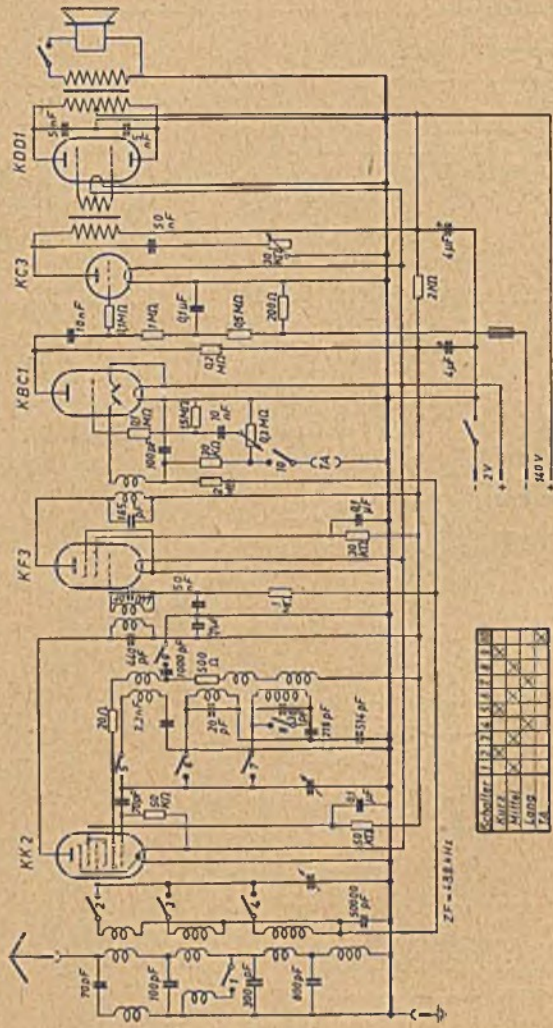




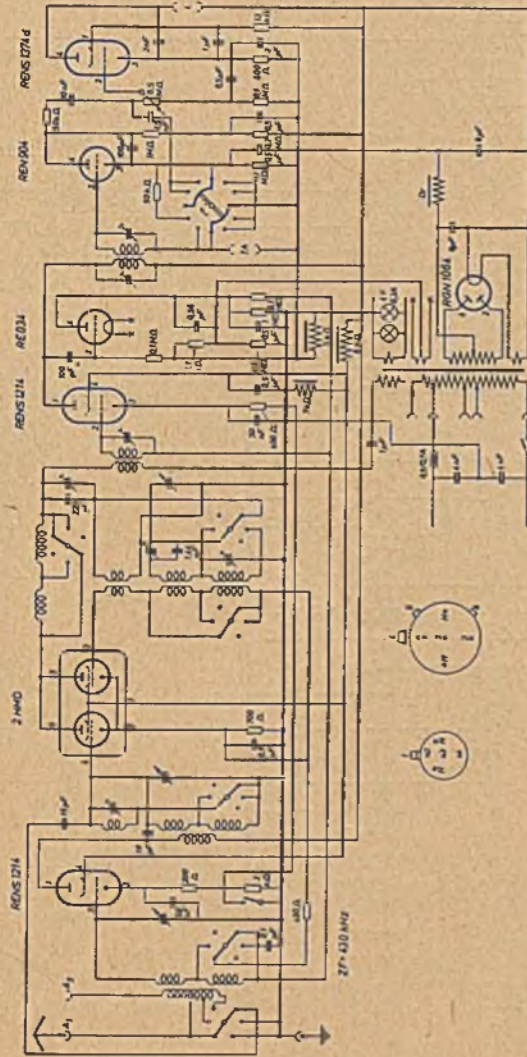


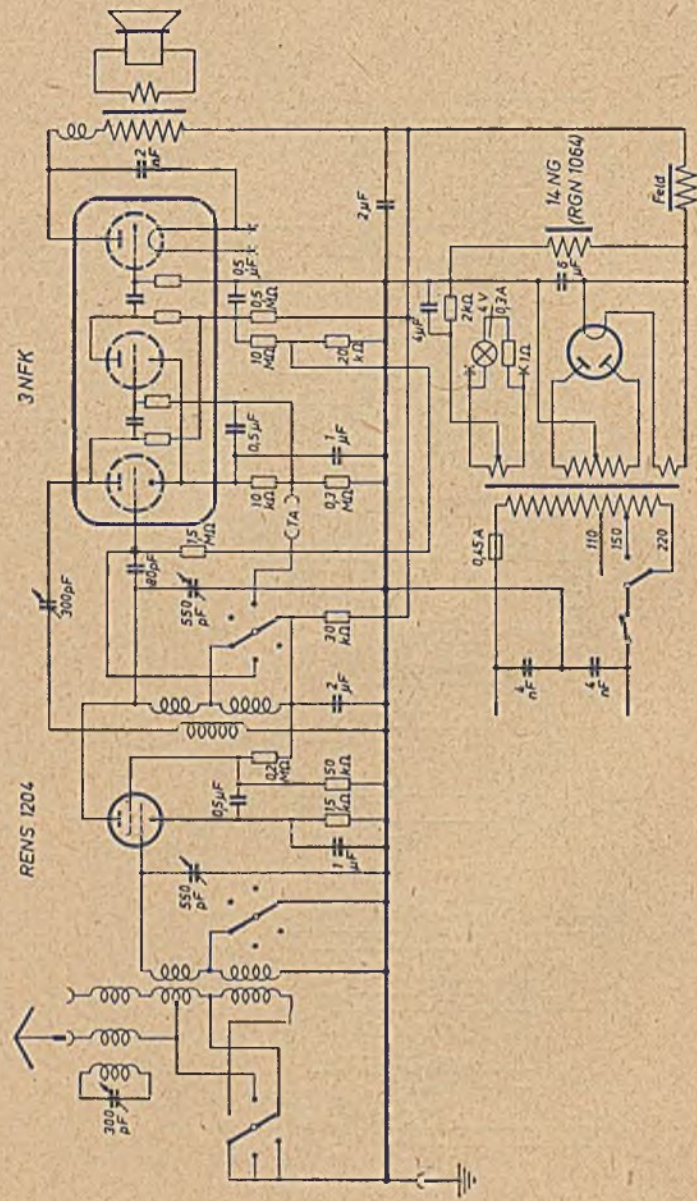


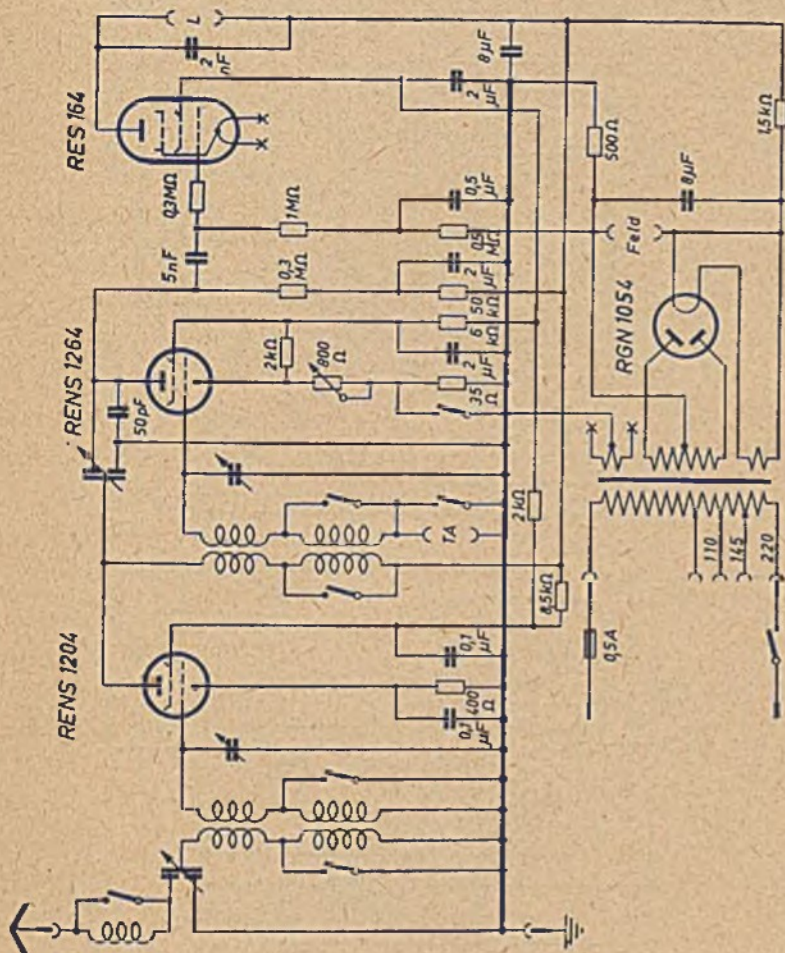


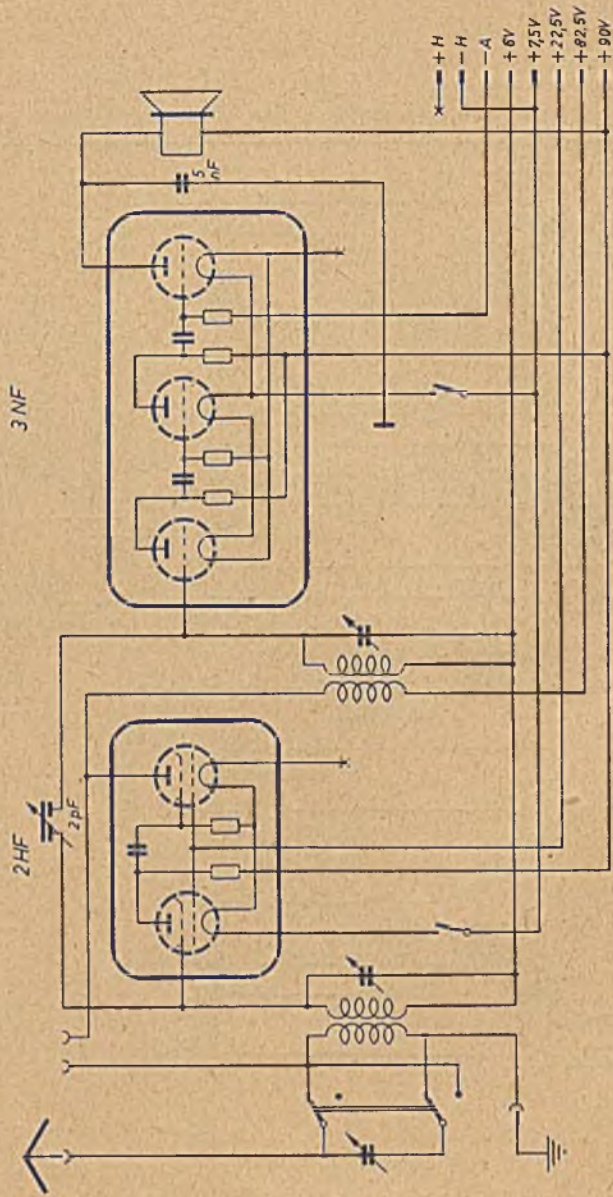


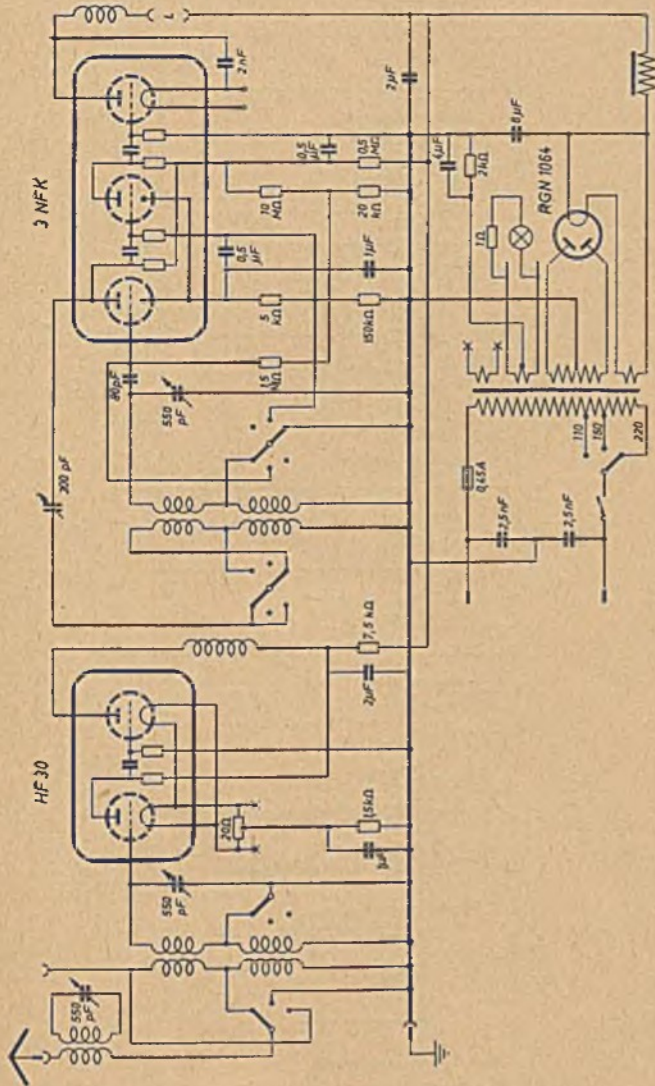


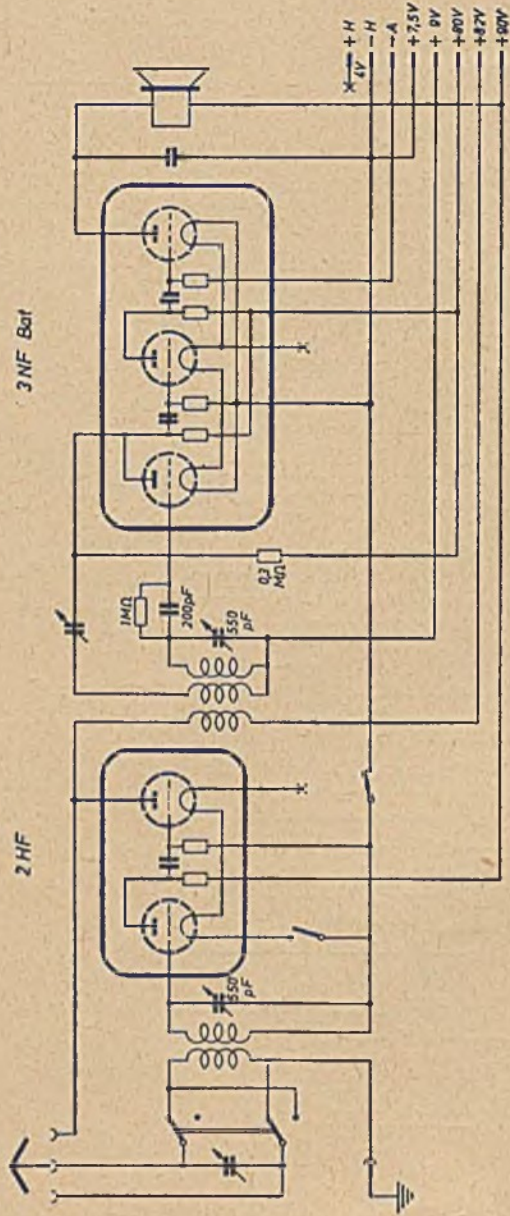






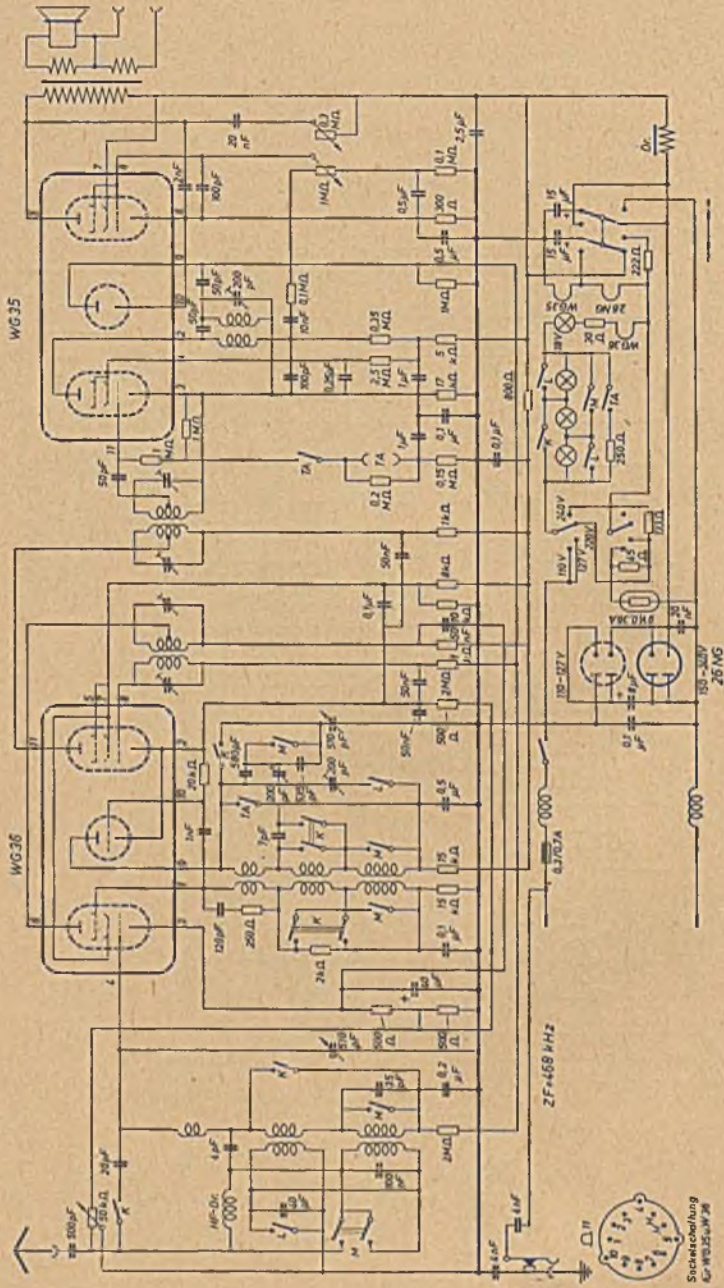




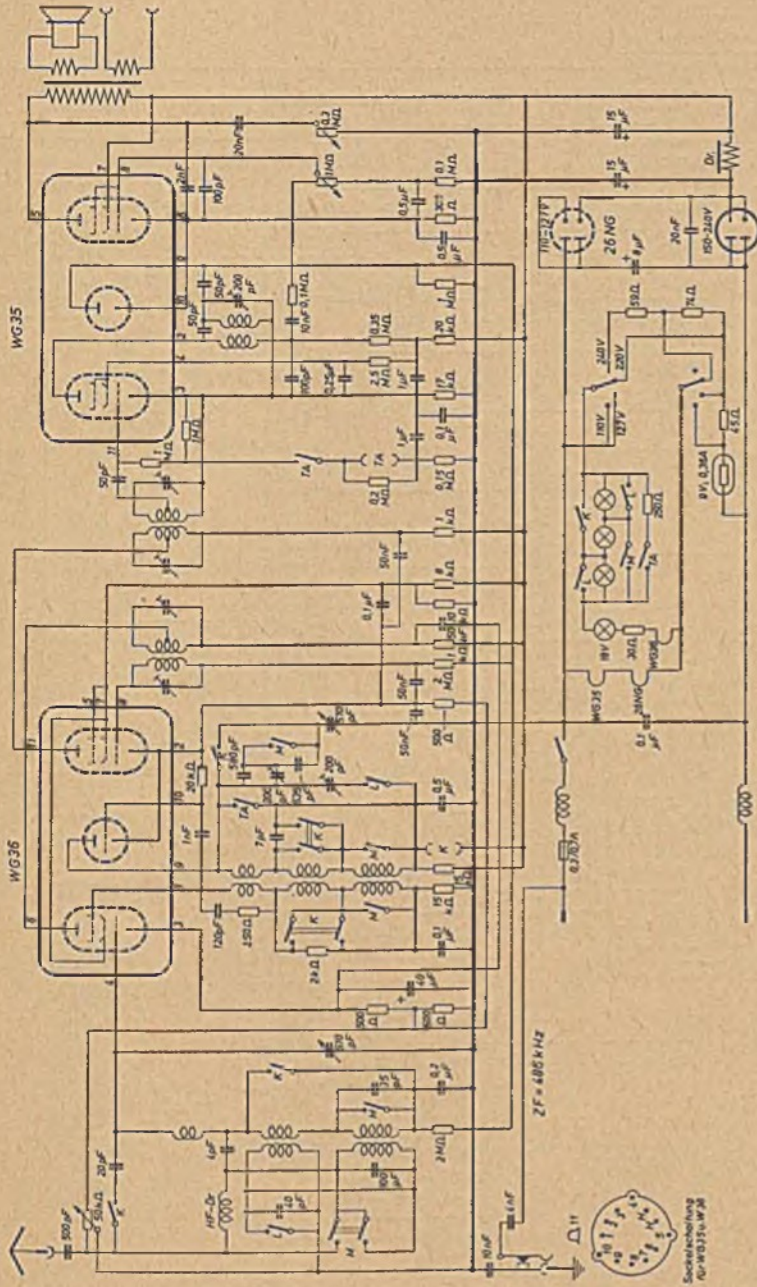




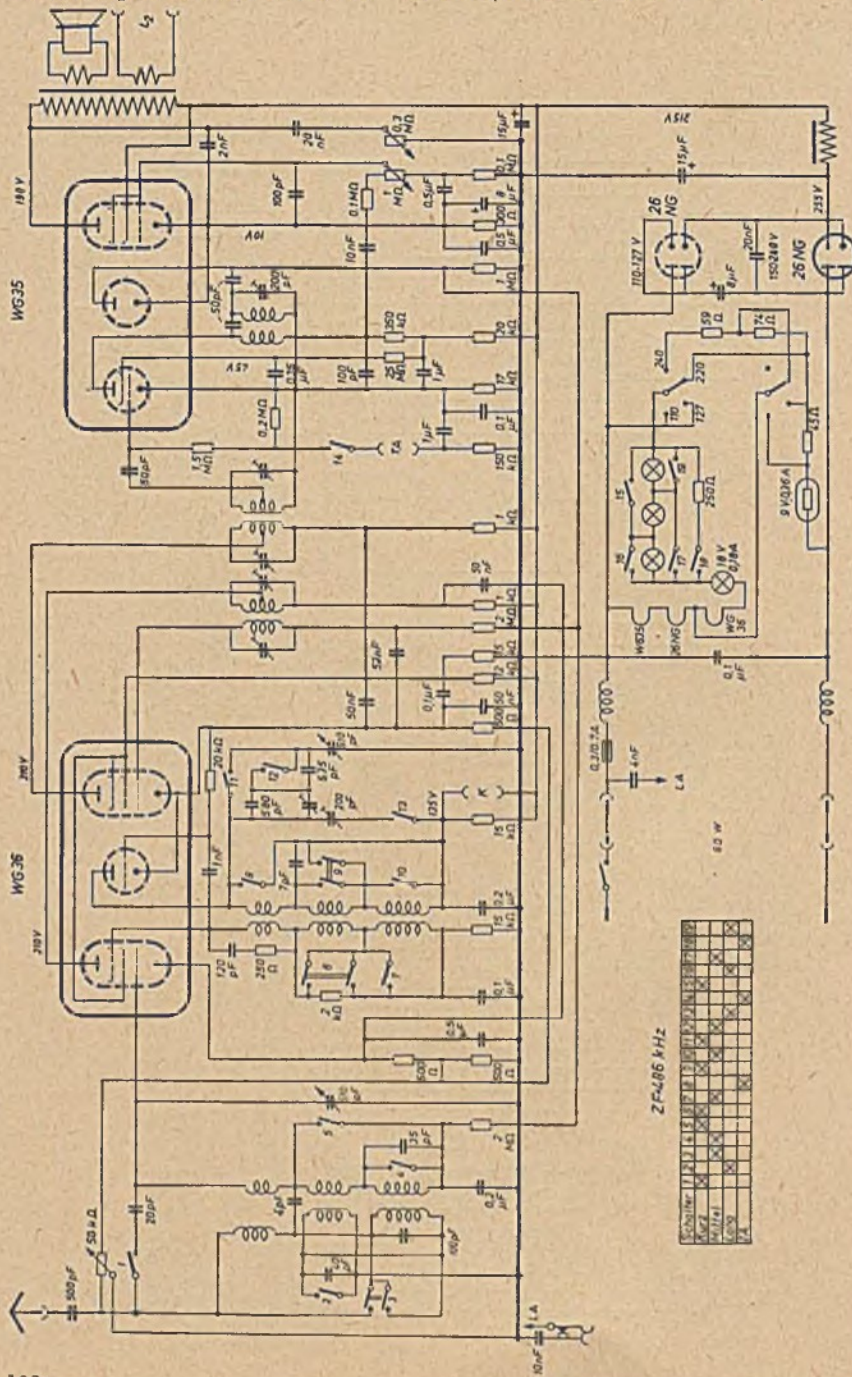
# Loewe/Opta Botschafter GW (bis Gerät Nr. 3300)





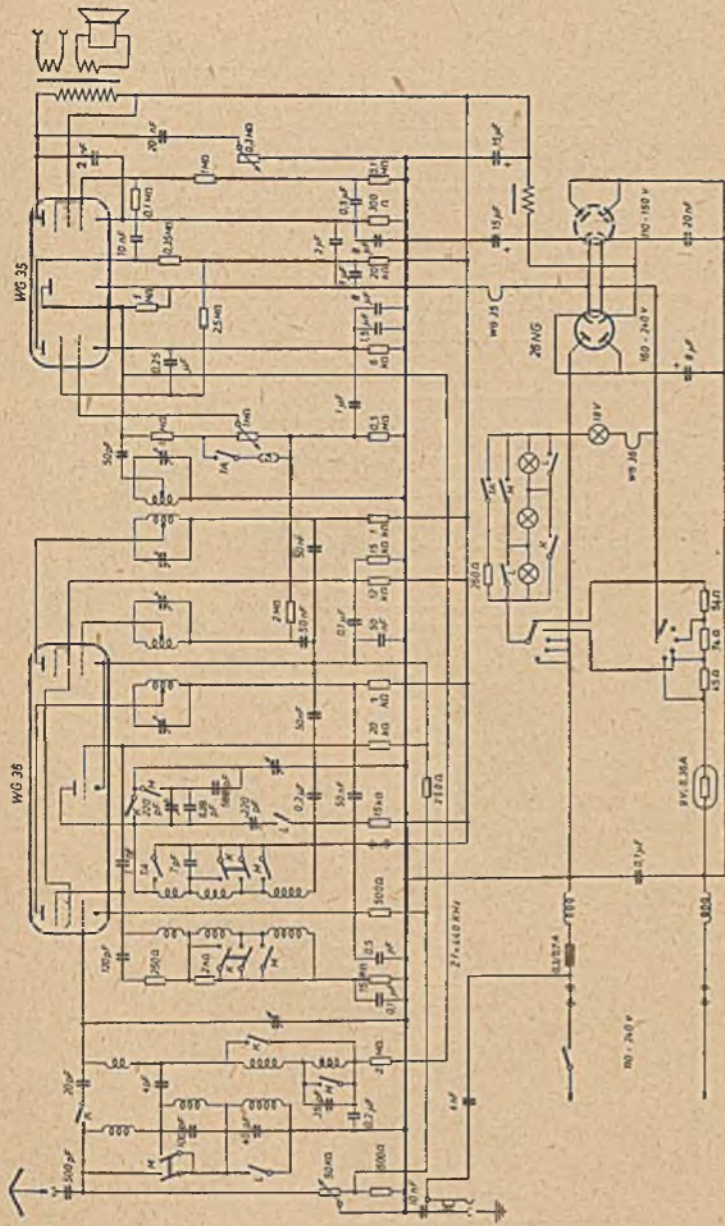


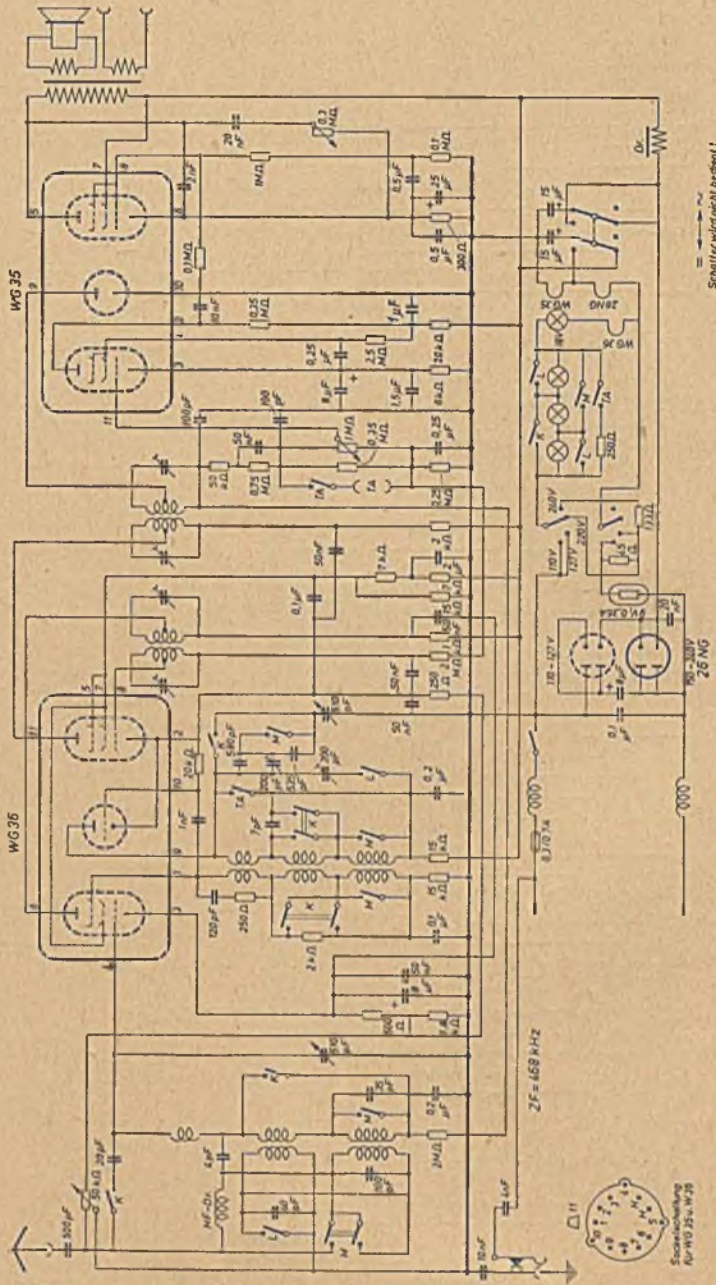
# Loewe/Opta Botschafter GW (Gerät Nr. 6500–8500)

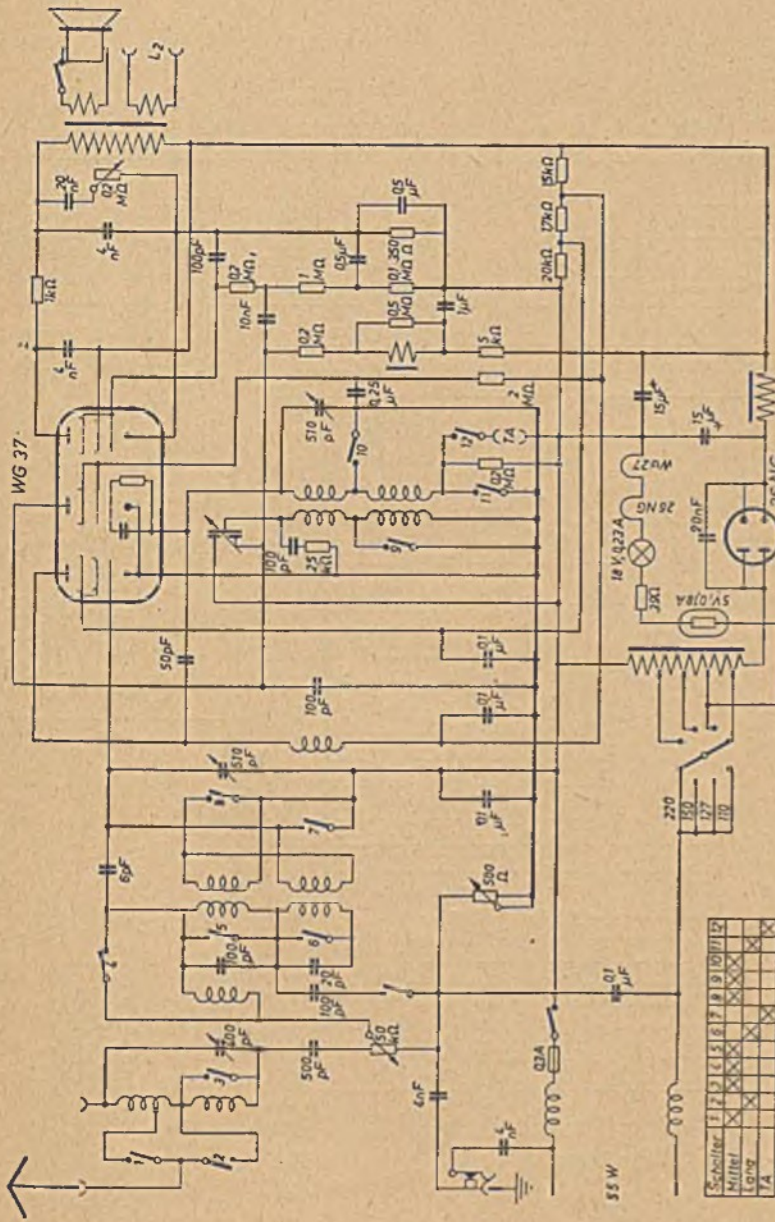


ZF 486 kHz

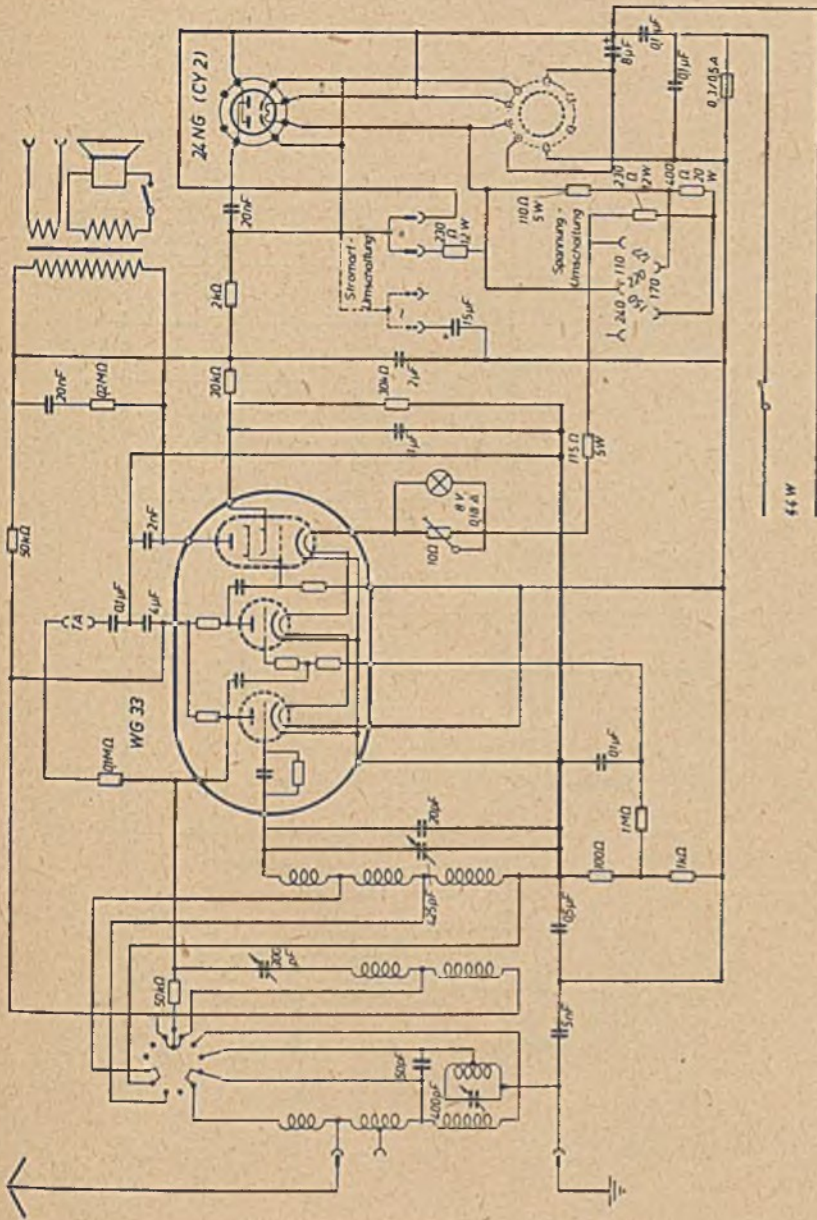
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32		
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X



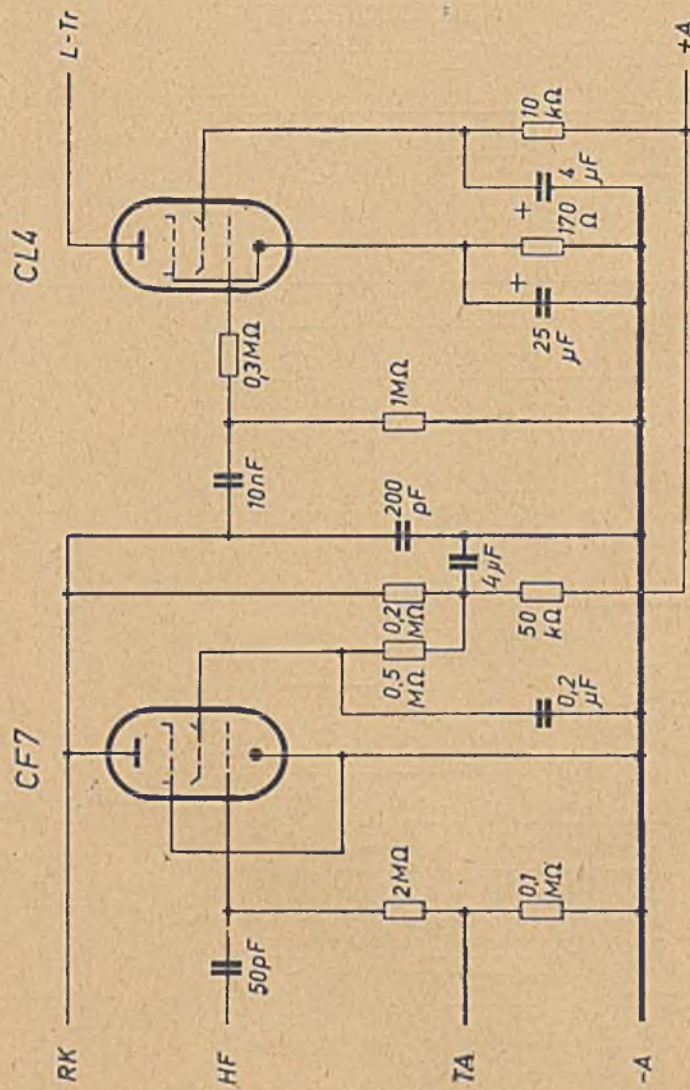




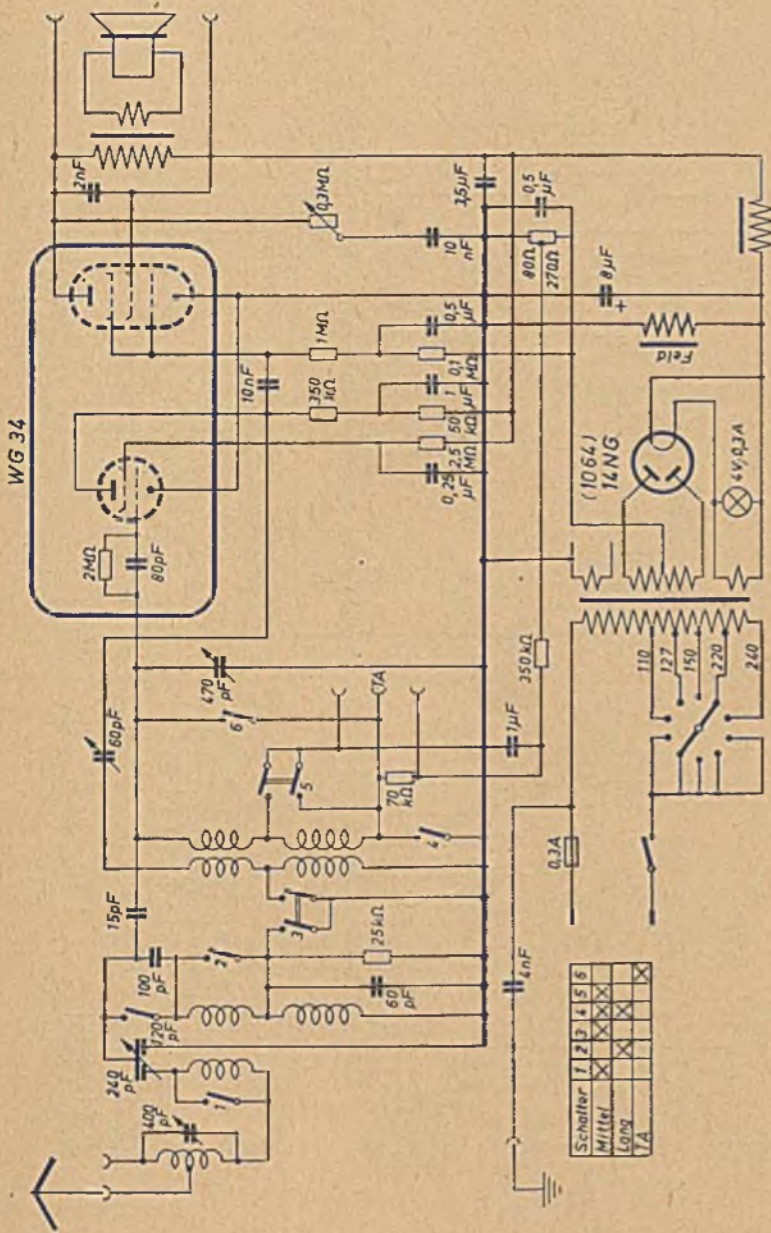




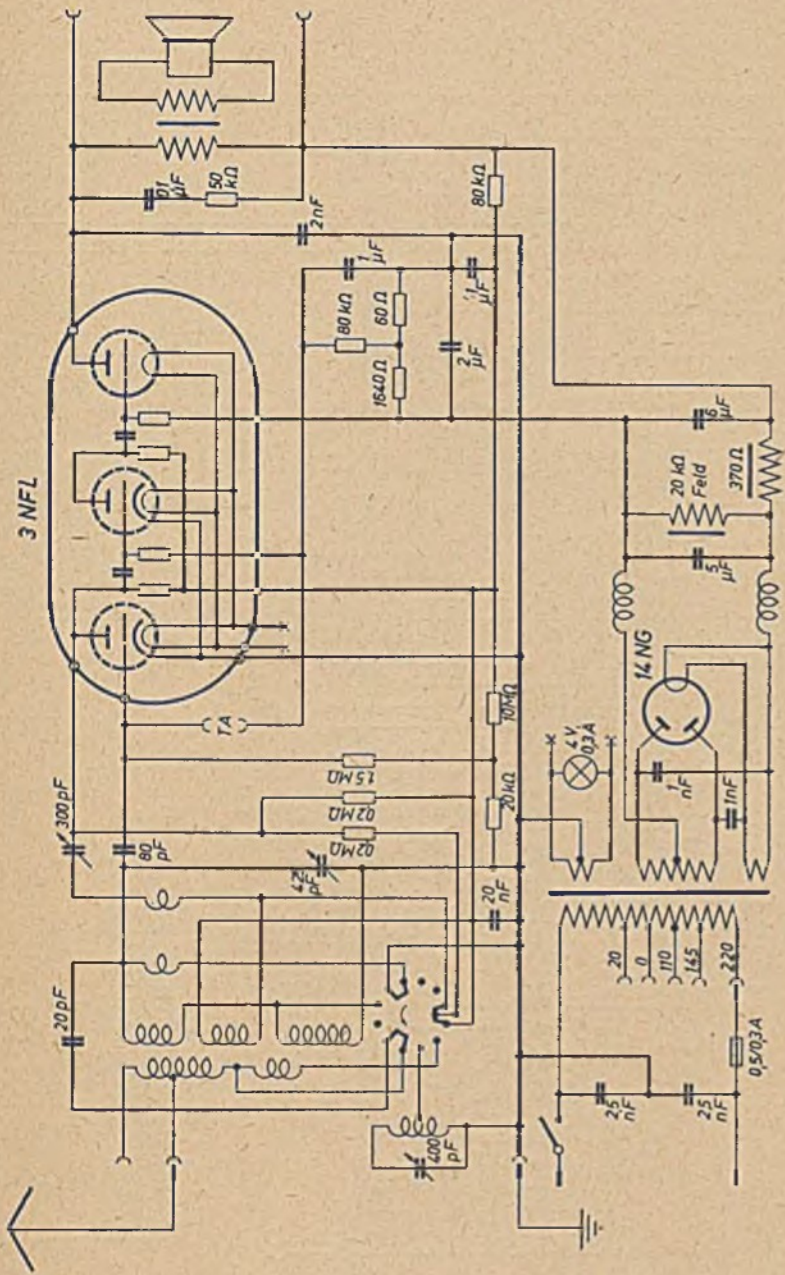
Loewe/Opta **Edda GL**  
 (Ersatz der Röhre WG 33 durch Hilfs-Chassis)

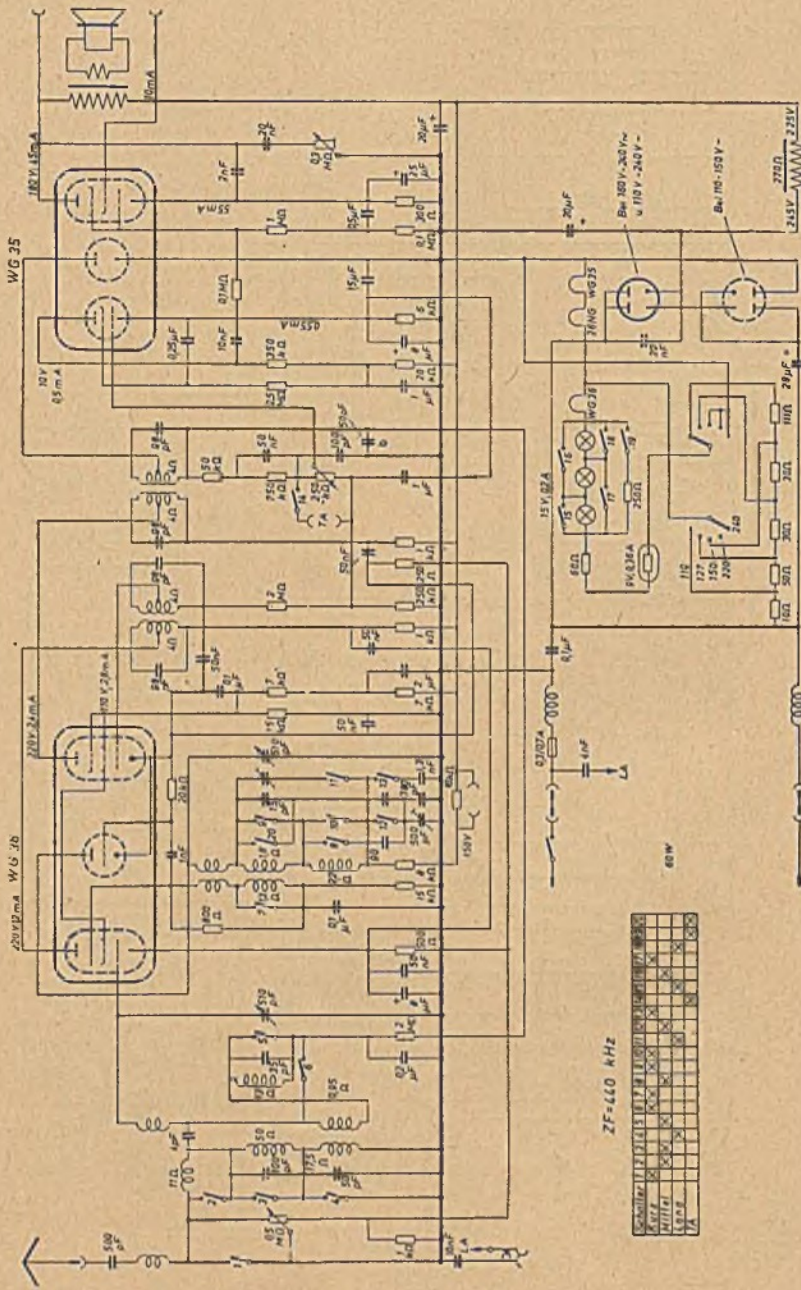




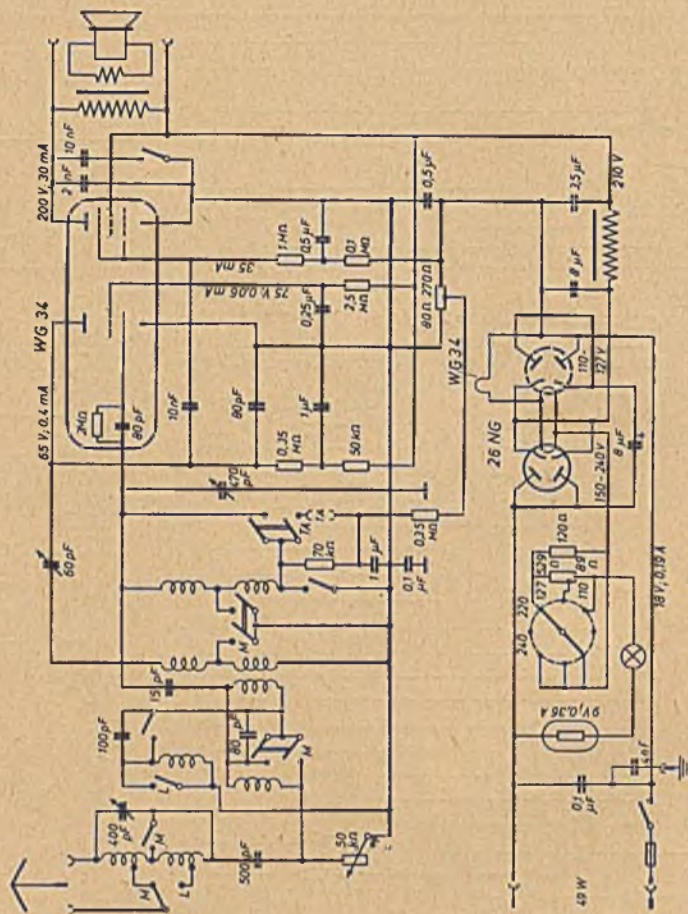


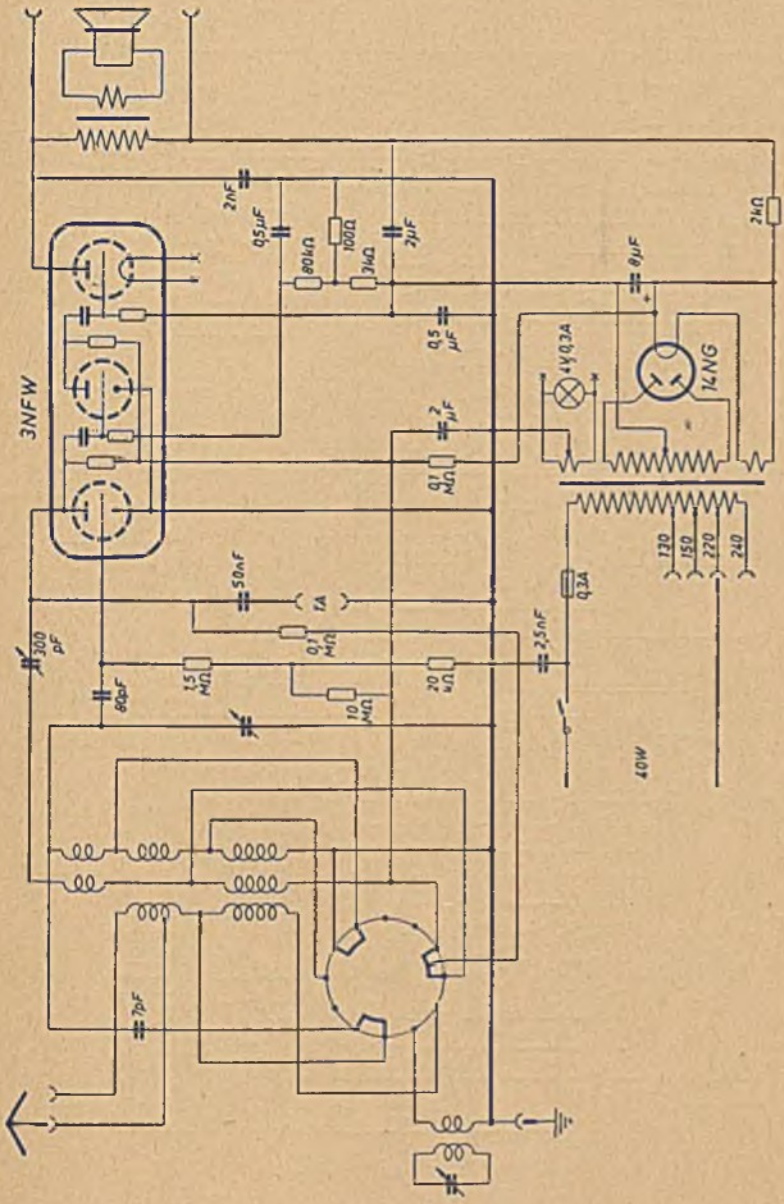


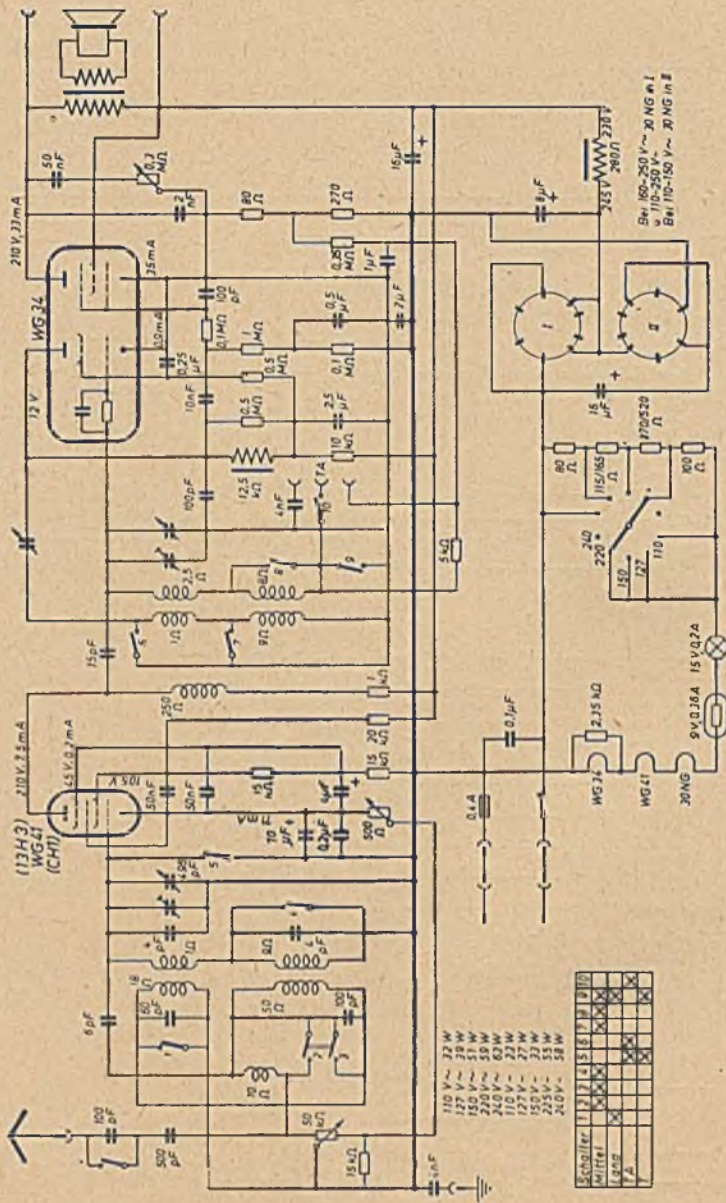




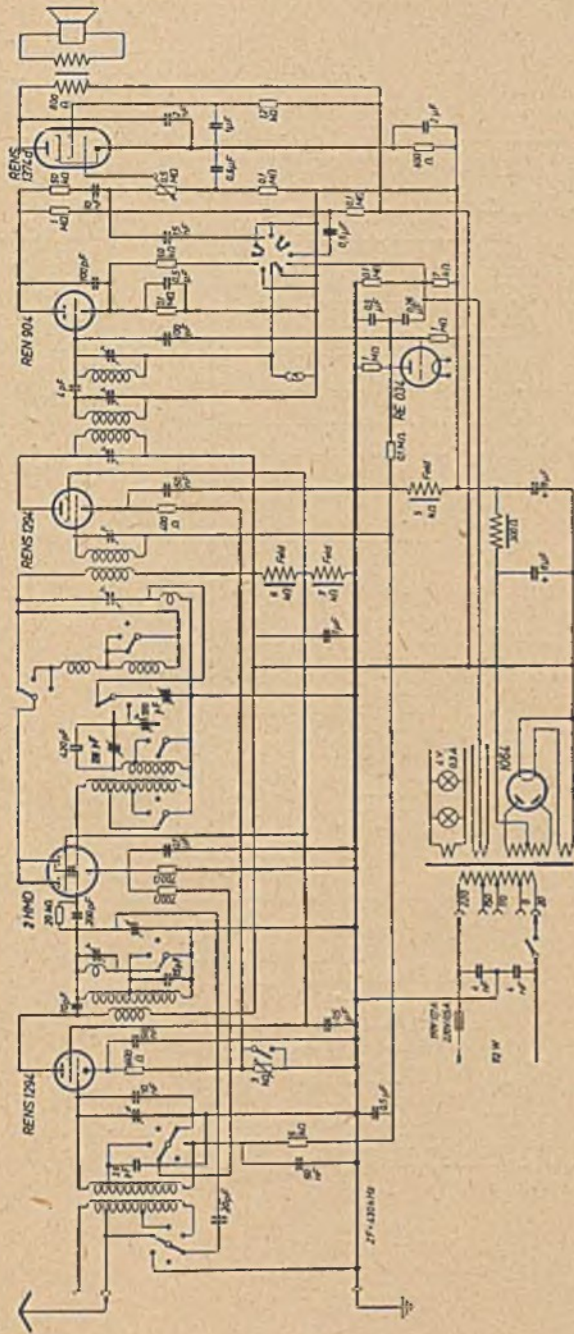


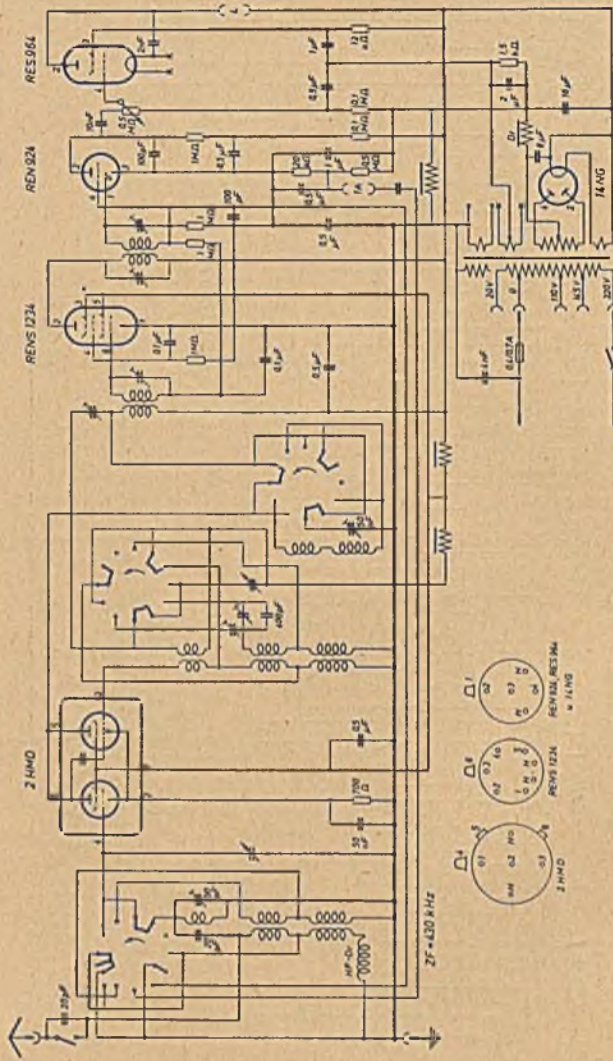


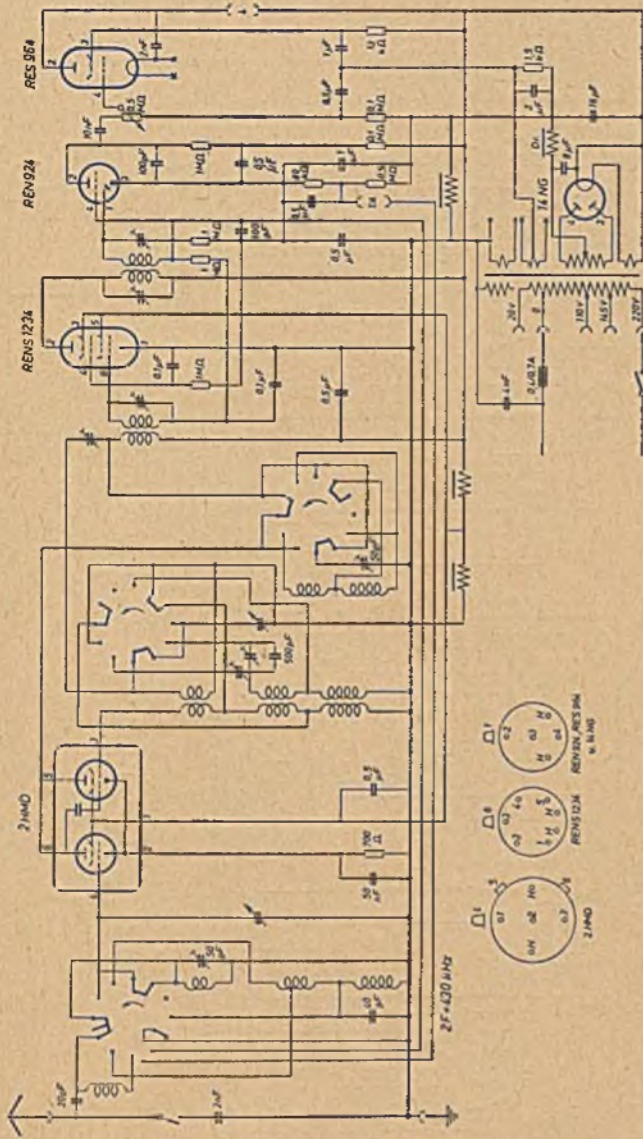


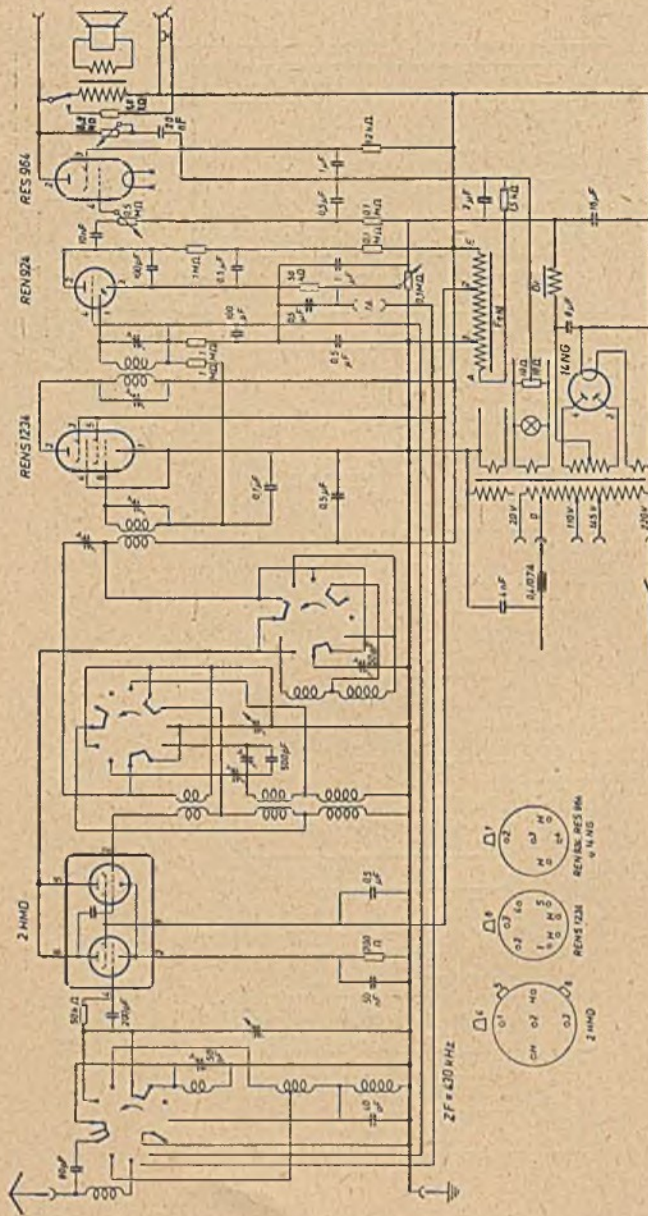


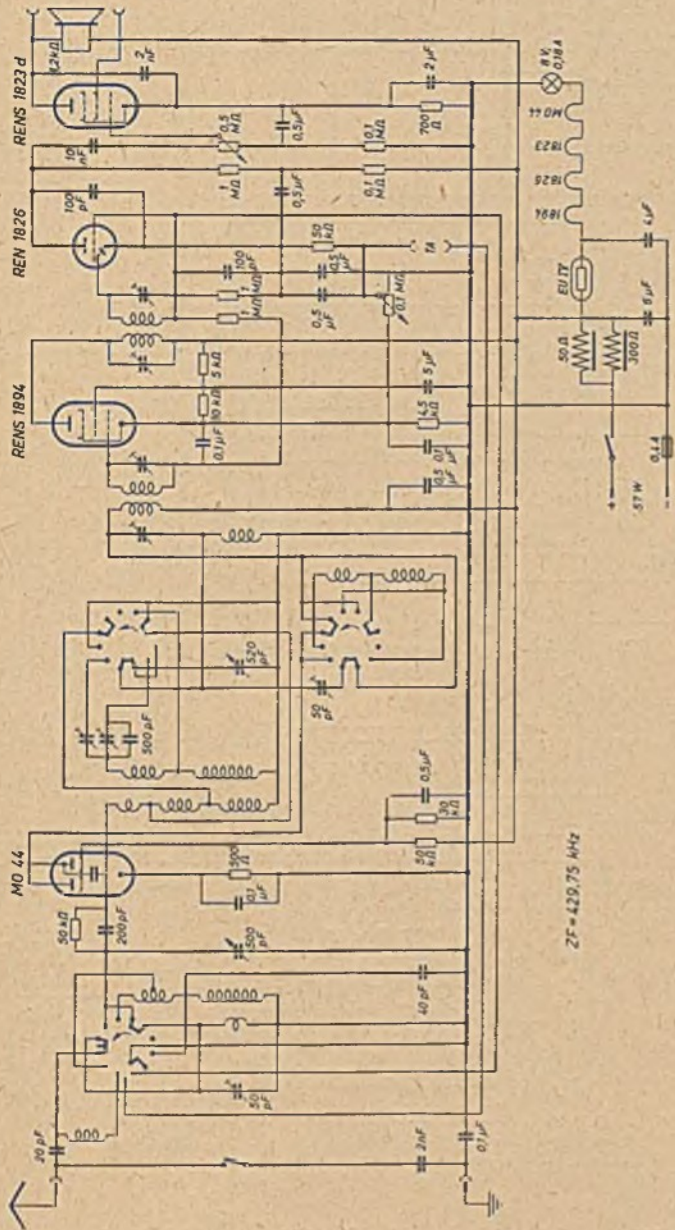


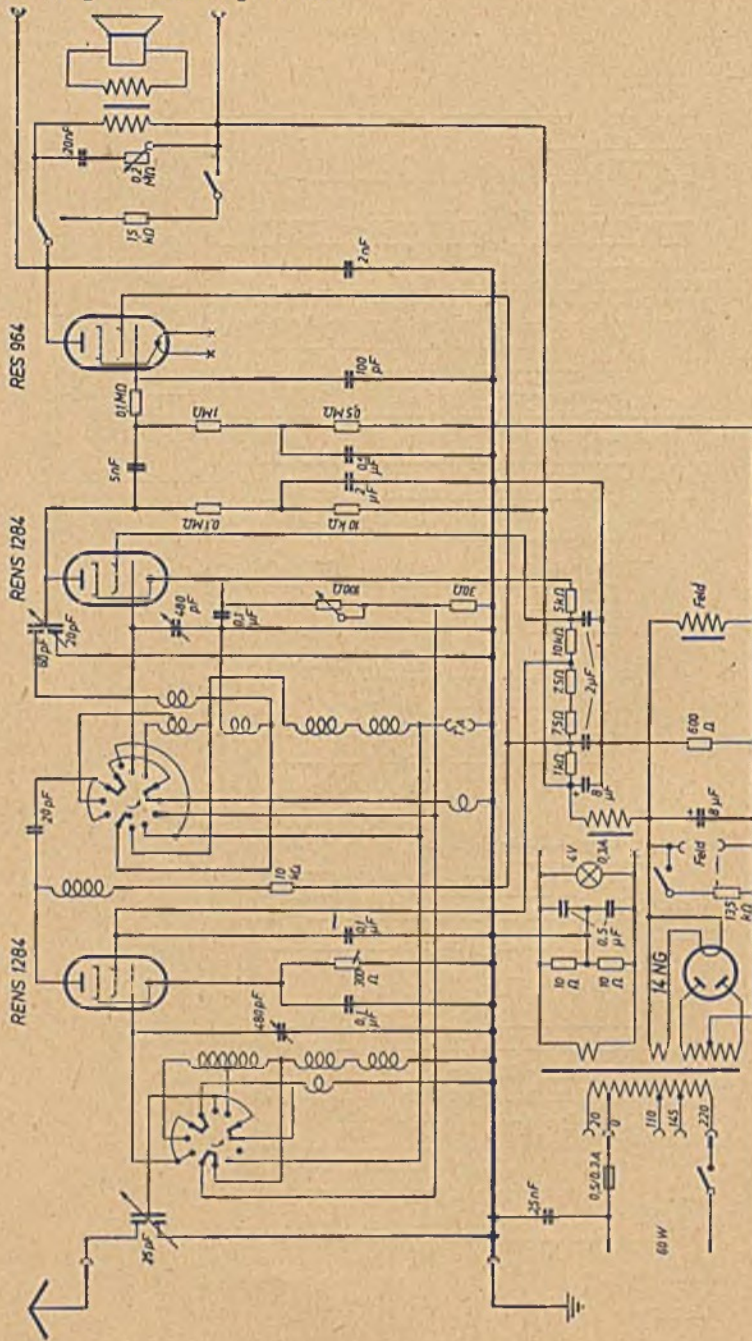






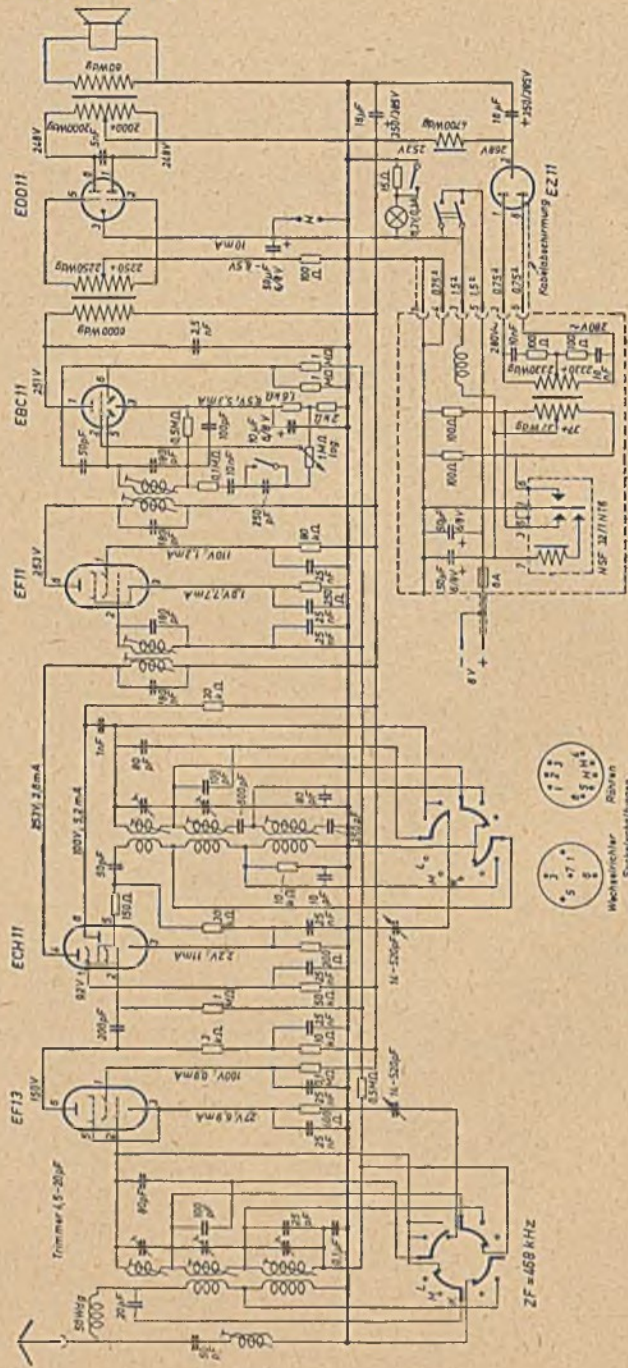






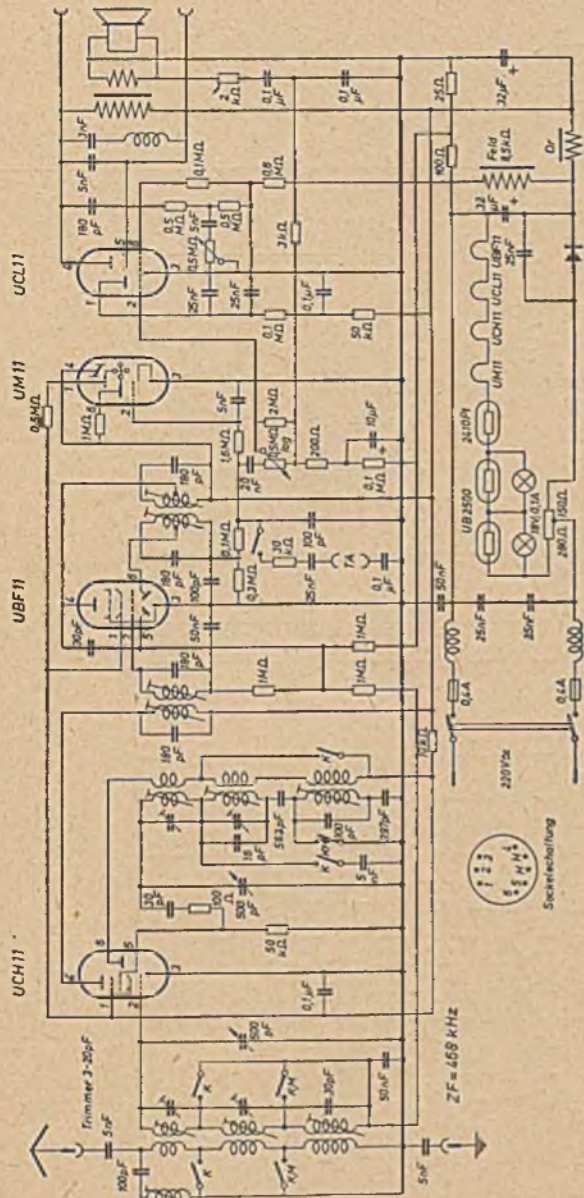
**LORENZ**

*(Produktion nach 1945)*

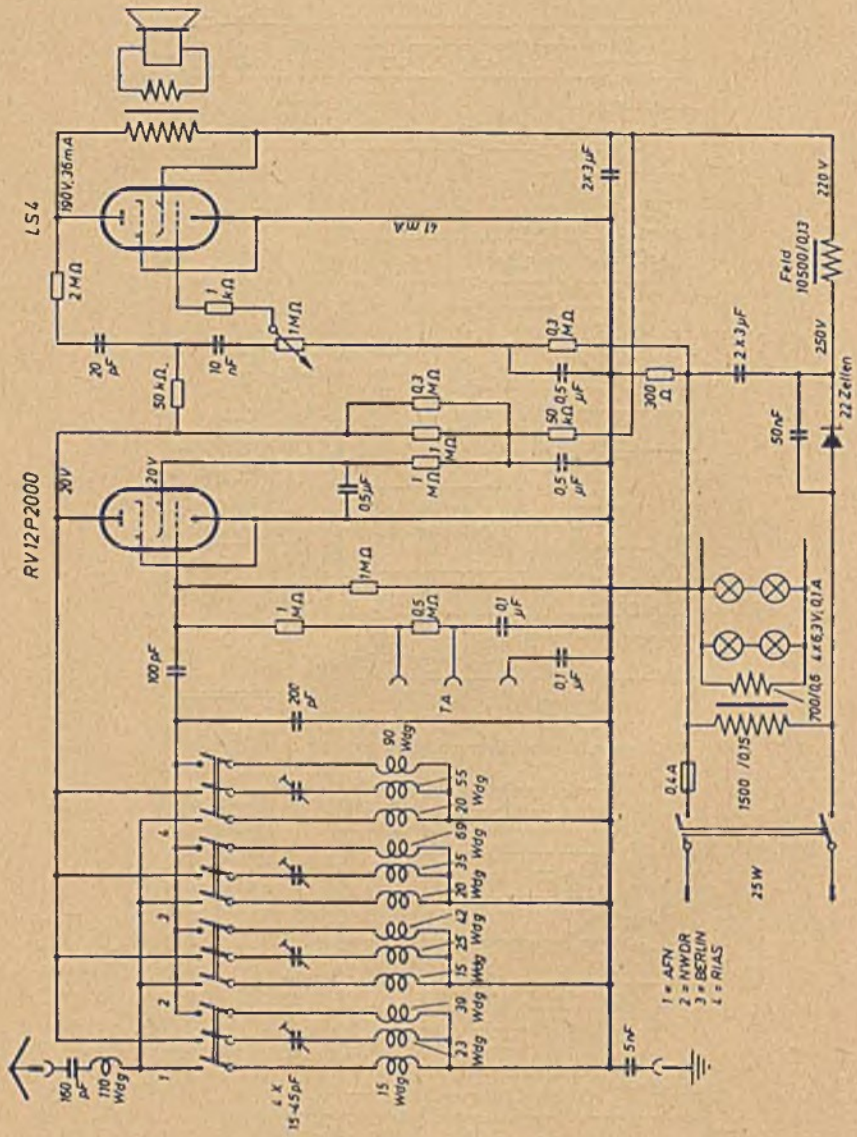


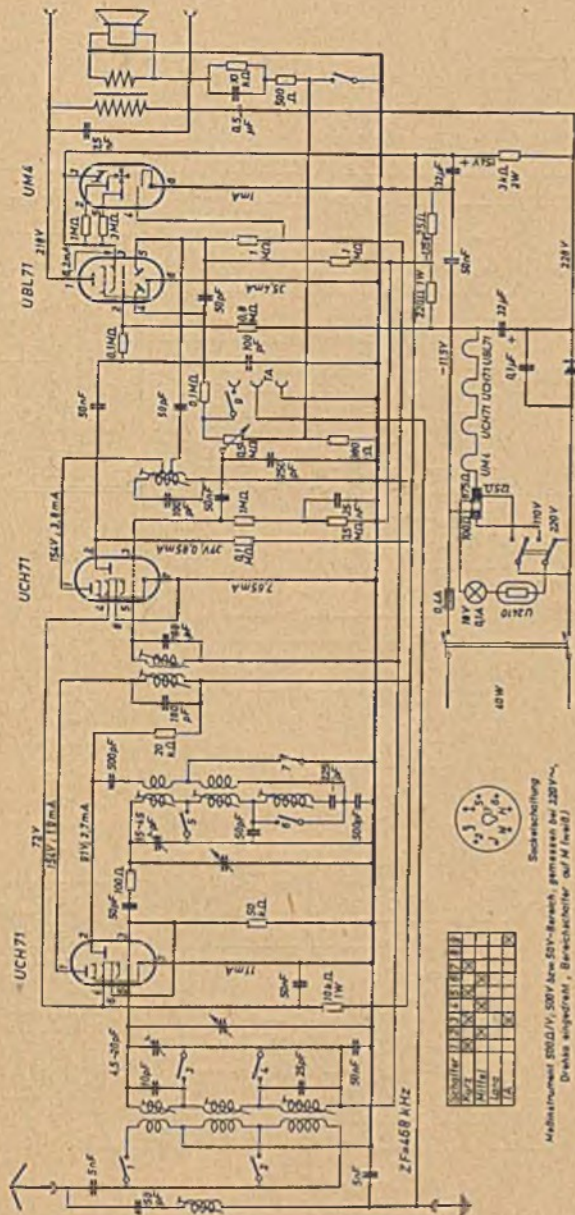
Wechselrichter 805, 97, 11  
 Sockelkontaktfragen

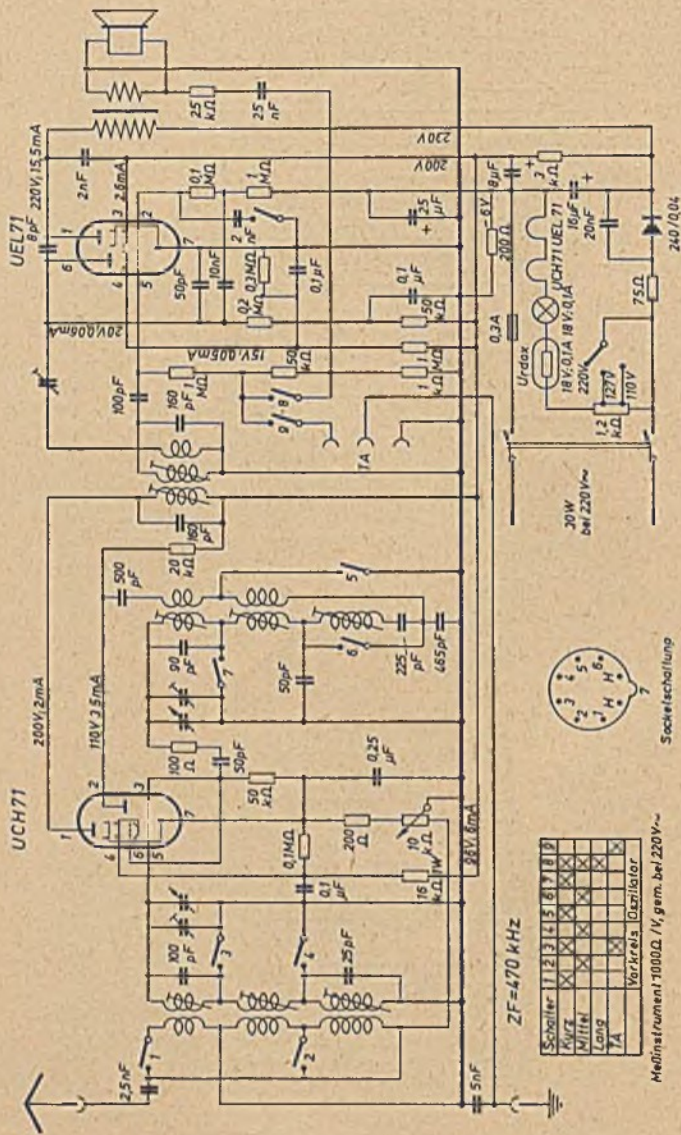




# Lorenz Berlin (Tastenempfänger)

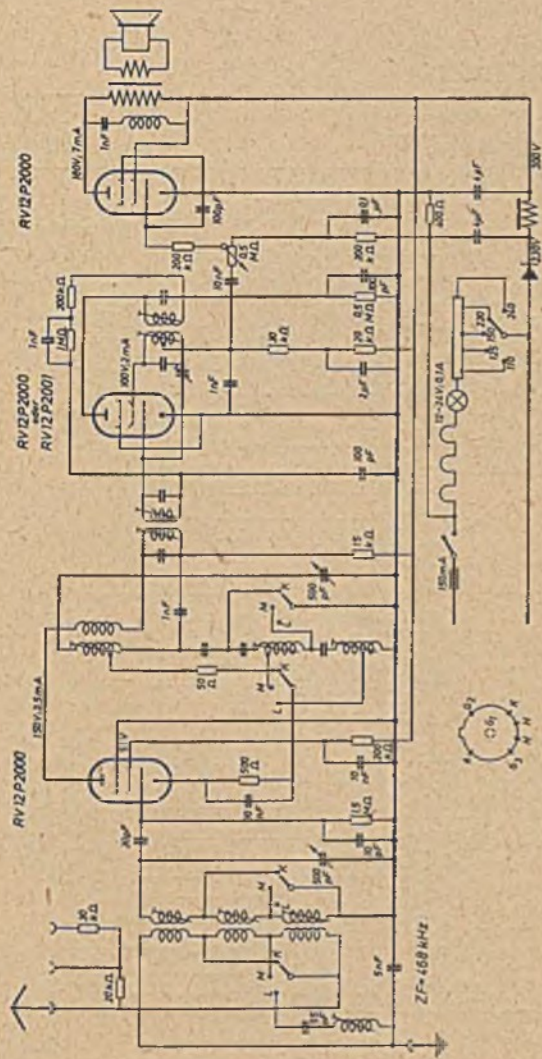


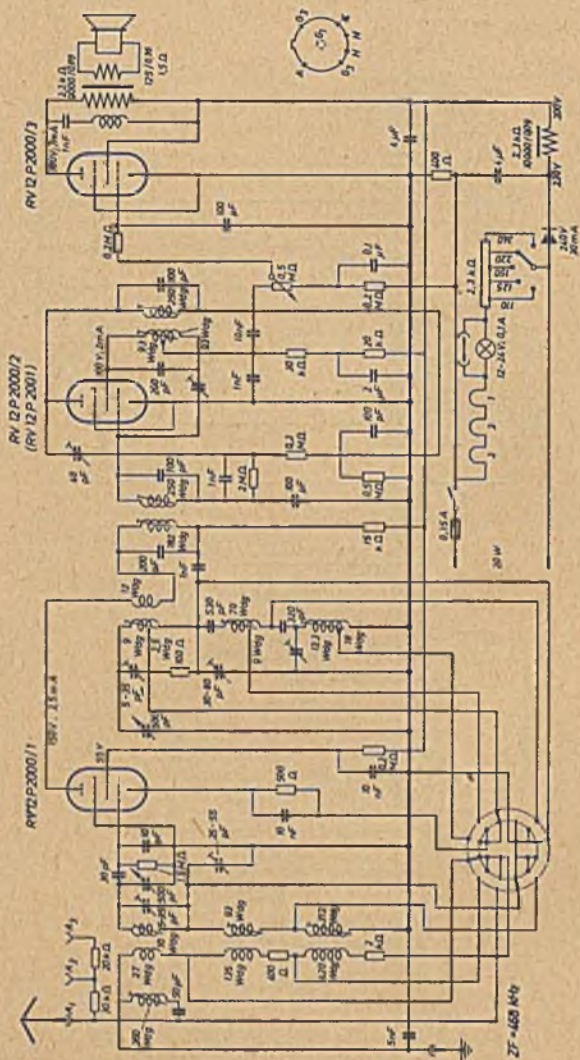




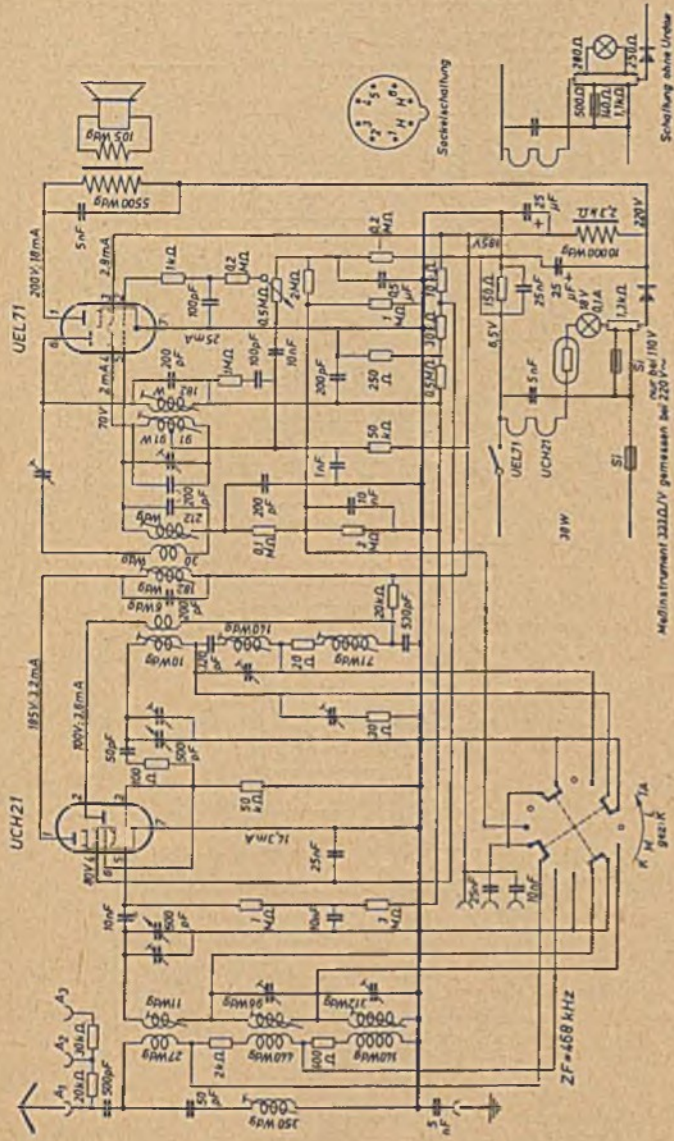


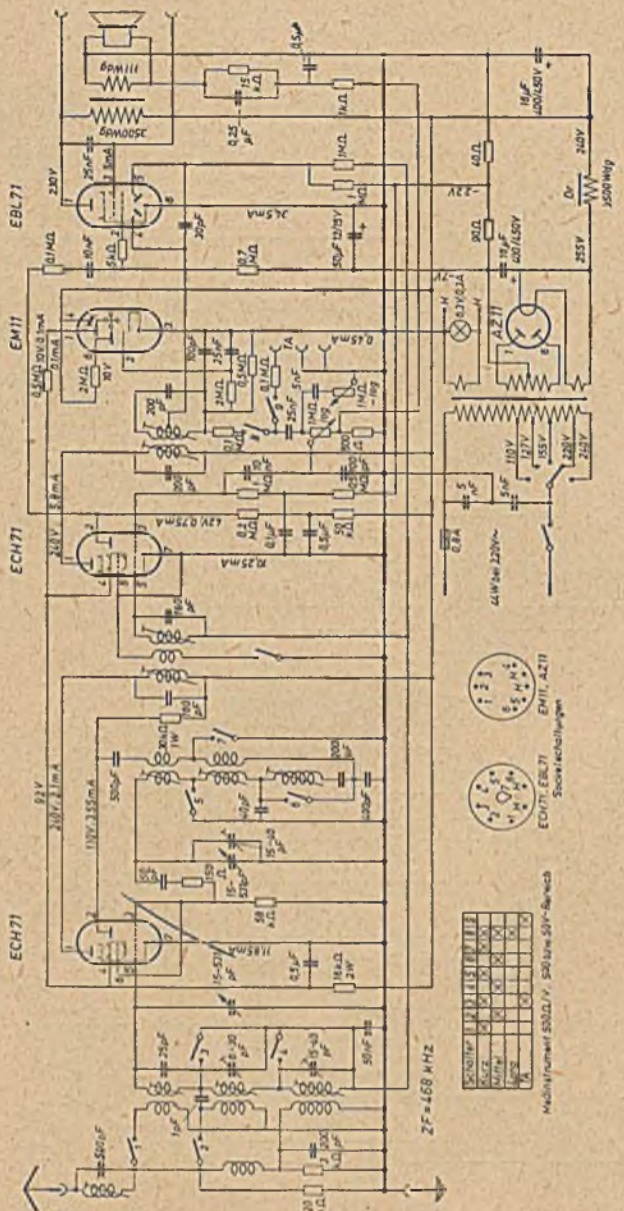


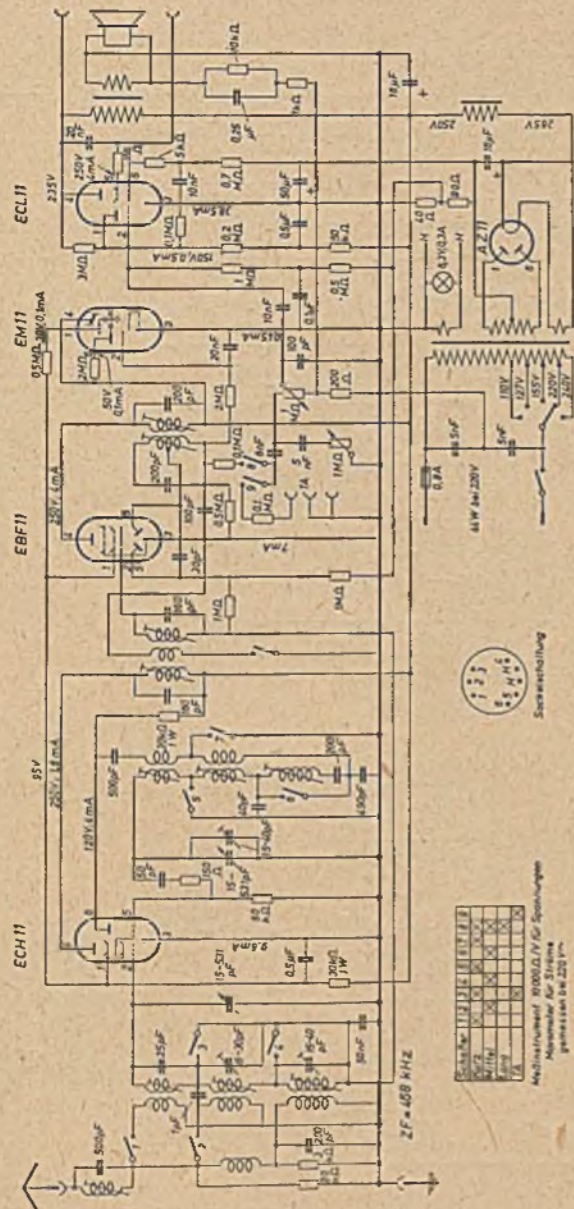






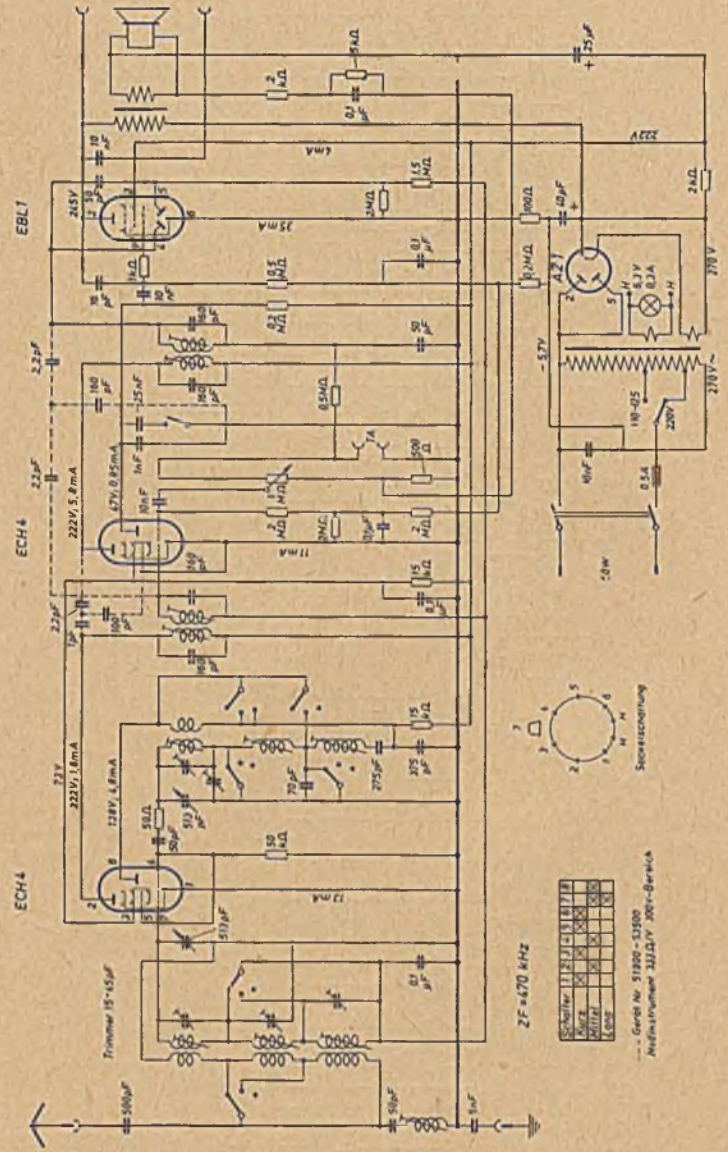






Spulen-Nr.	1	2	3	4	5	6	7	8	9	10
Werte	100	100	100	100	100	100	100	100	100	100
Werte	100	100	100	100	100	100	100	100	100	100
Werte	100	100	100	100	100	100	100	100	100	100
Werte	100	100	100	100	100	100	100	100	100	100

Multiplizieren Sie die Spulenwerte mit dem Faktor 10000,0 für Spulenwerte in Mikrohenry für Strömung  
 geben Sie den Wert in mH an

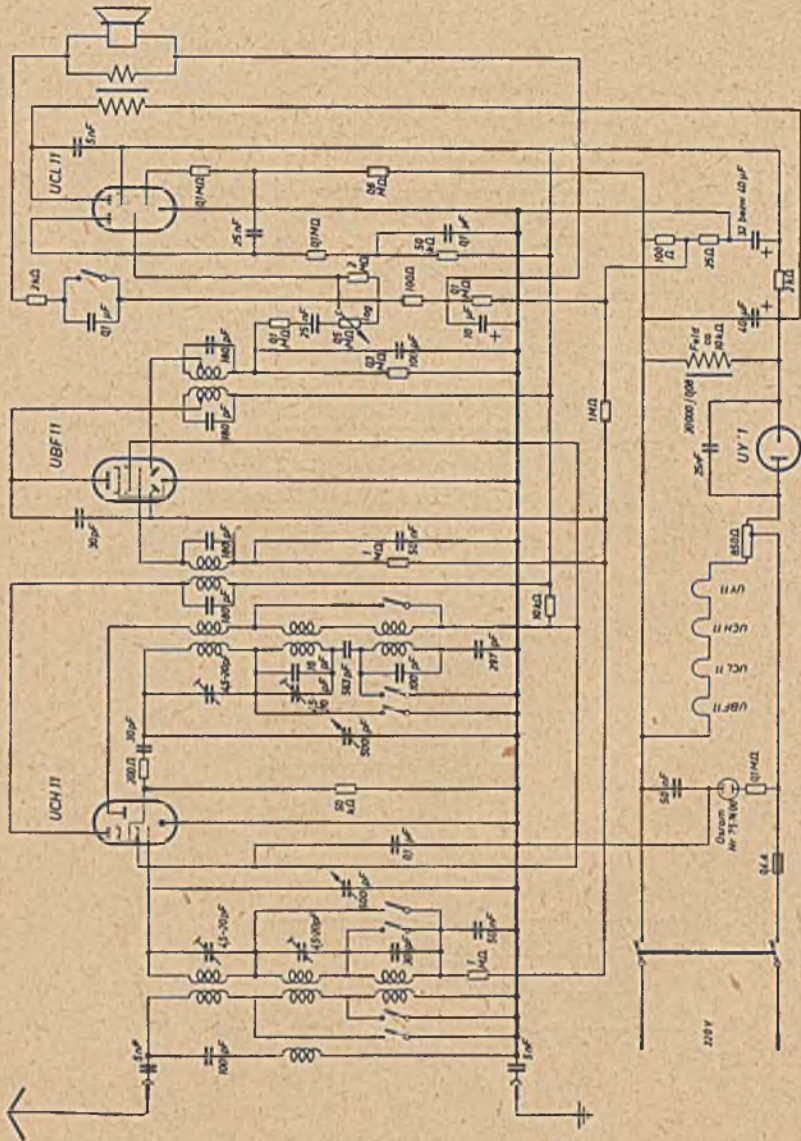


ZF = 470 kHz

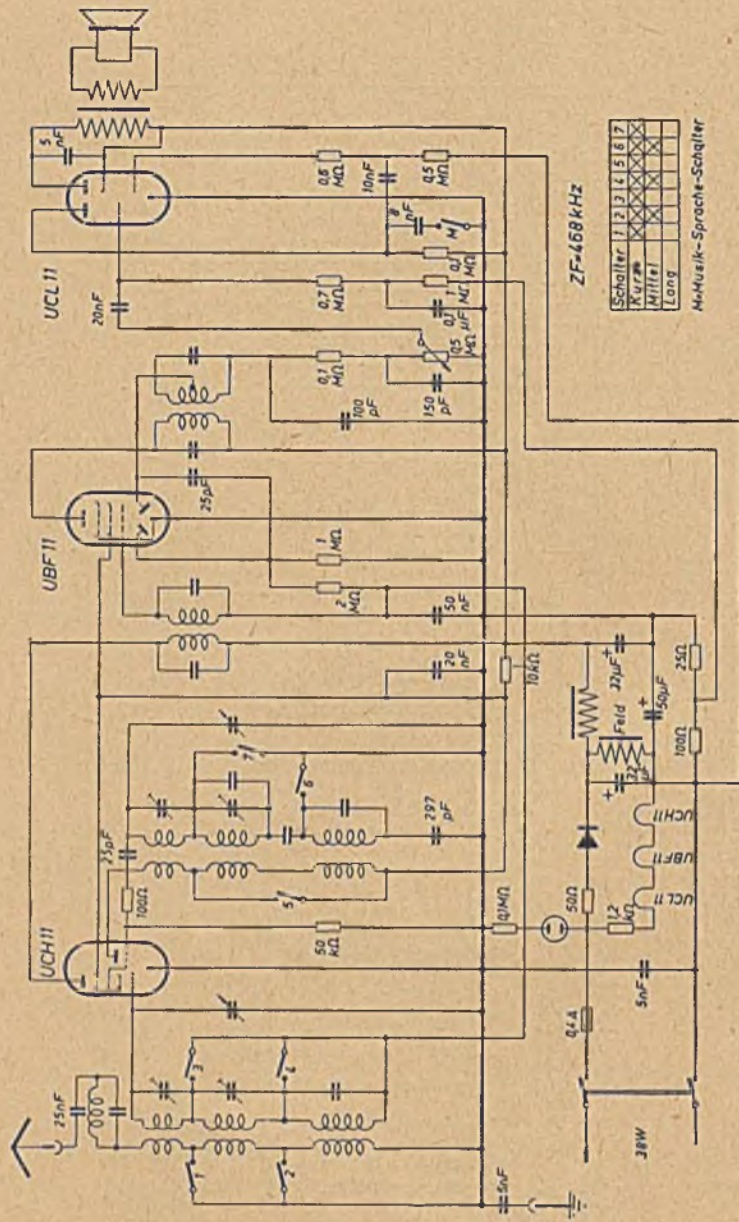
Schaltlinie	1	2	3	4	5	6	7
Steuer	X	X	X	X	X	X	X
Strom	X	X	X	X	X	X	X
Erde	X	X	X	X	X	X	X

— Gruppe Nr. 51820 — 52500  
 Aufbaufunktion: 333.0.V. 200V-800V

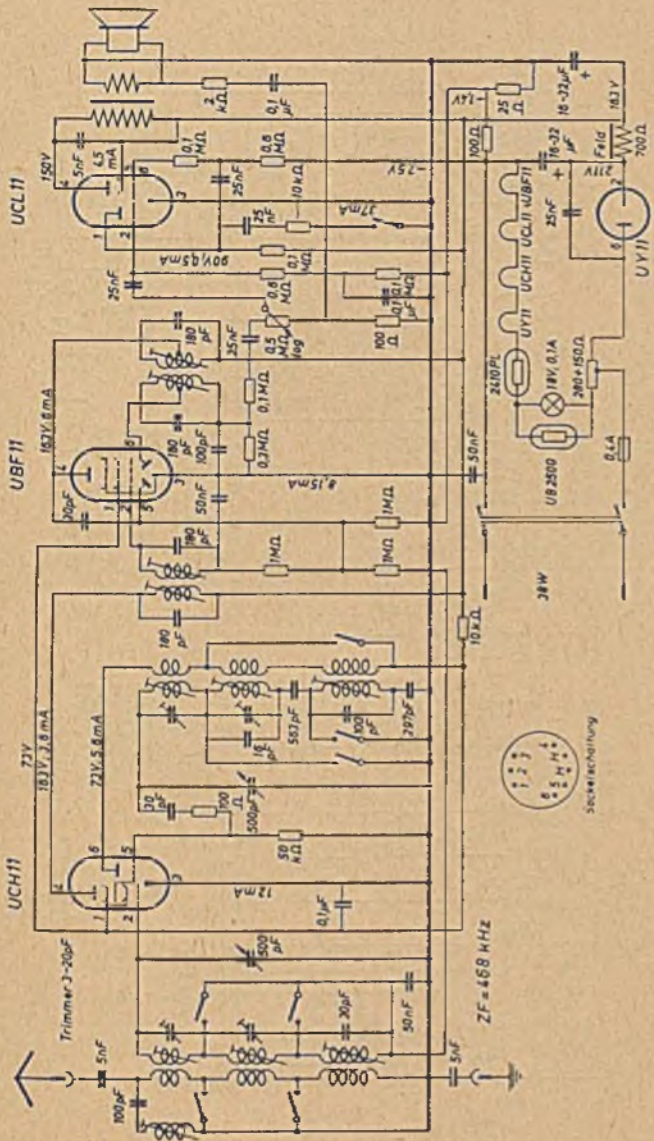


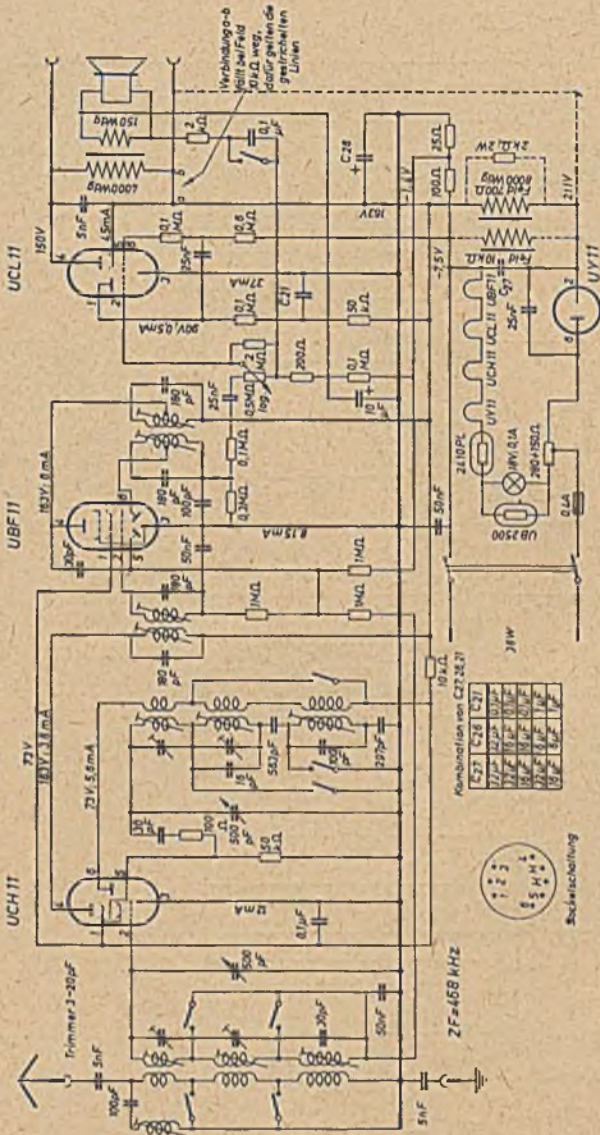


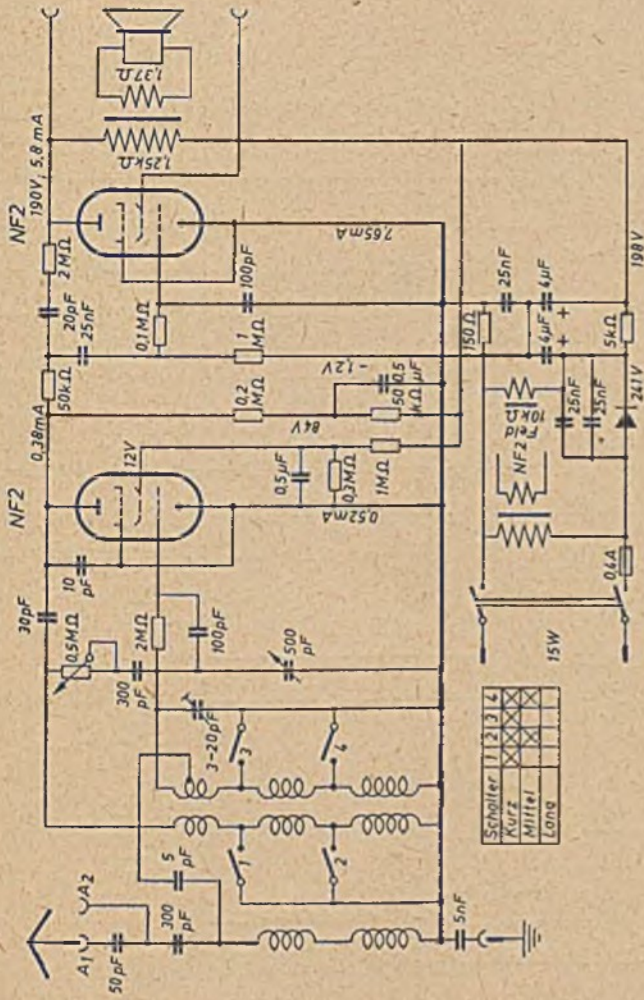


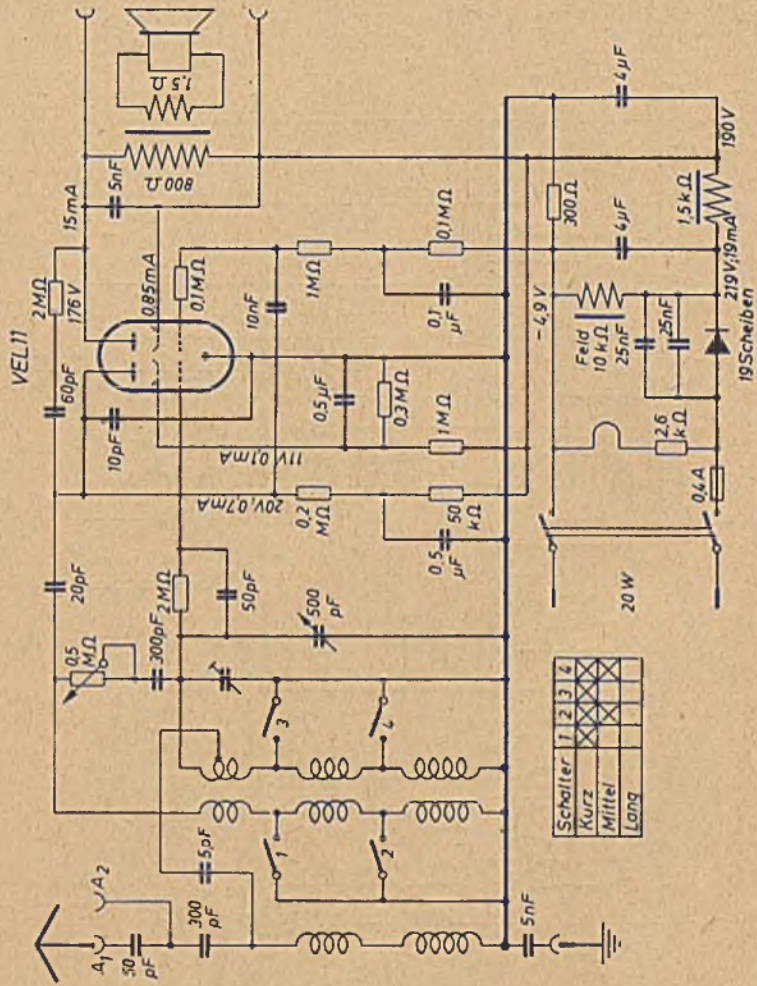




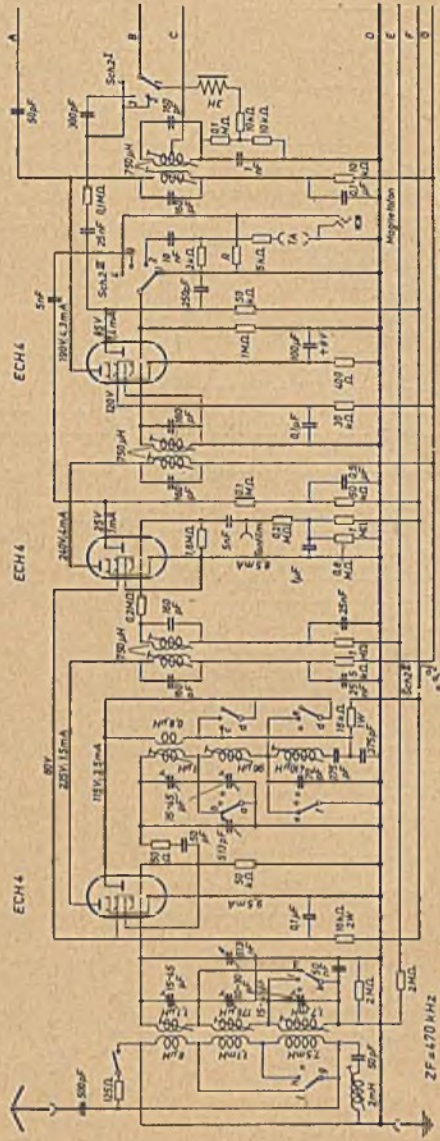












R Ref. Auf. A. 2002  
R - - B + 01M2



Beinrohrmaschinen Sch. 21-22

Beinrohrmaschine	1	2	3	4
Beinrohrmaschine	5	6	7	8
Beinrohrmaschine	9	10	11	12
Beinrohrmaschine	13	14	15	16

Walterschaltplan

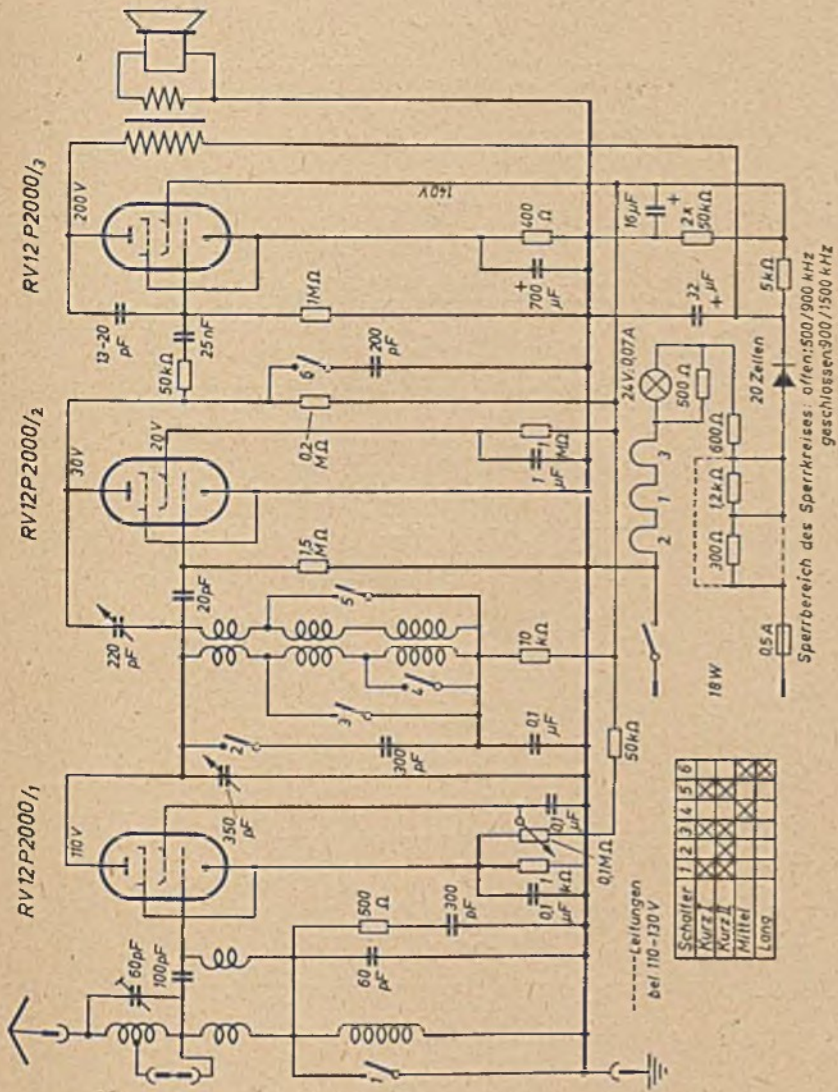
Walterschaltplan	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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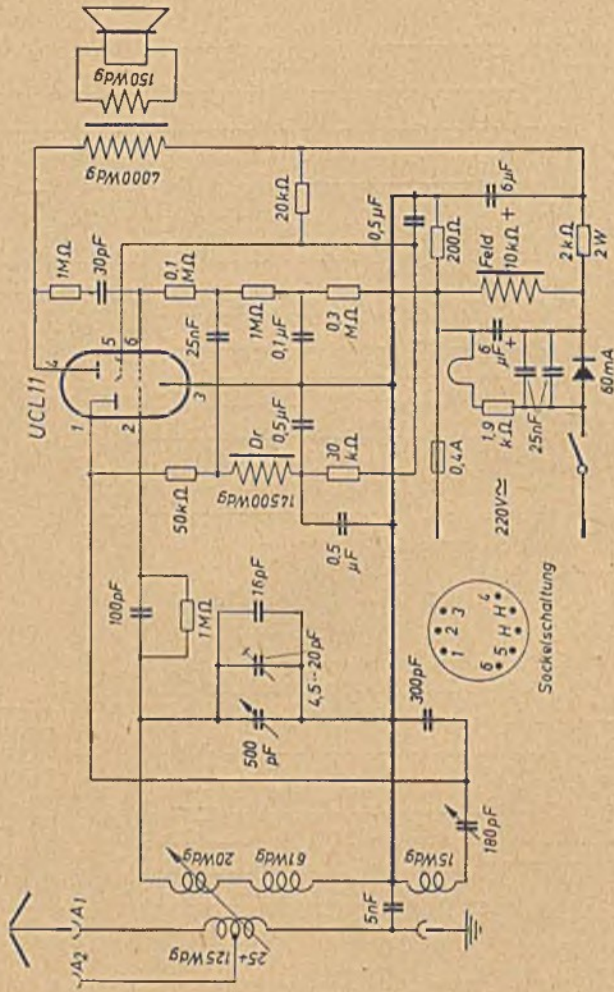






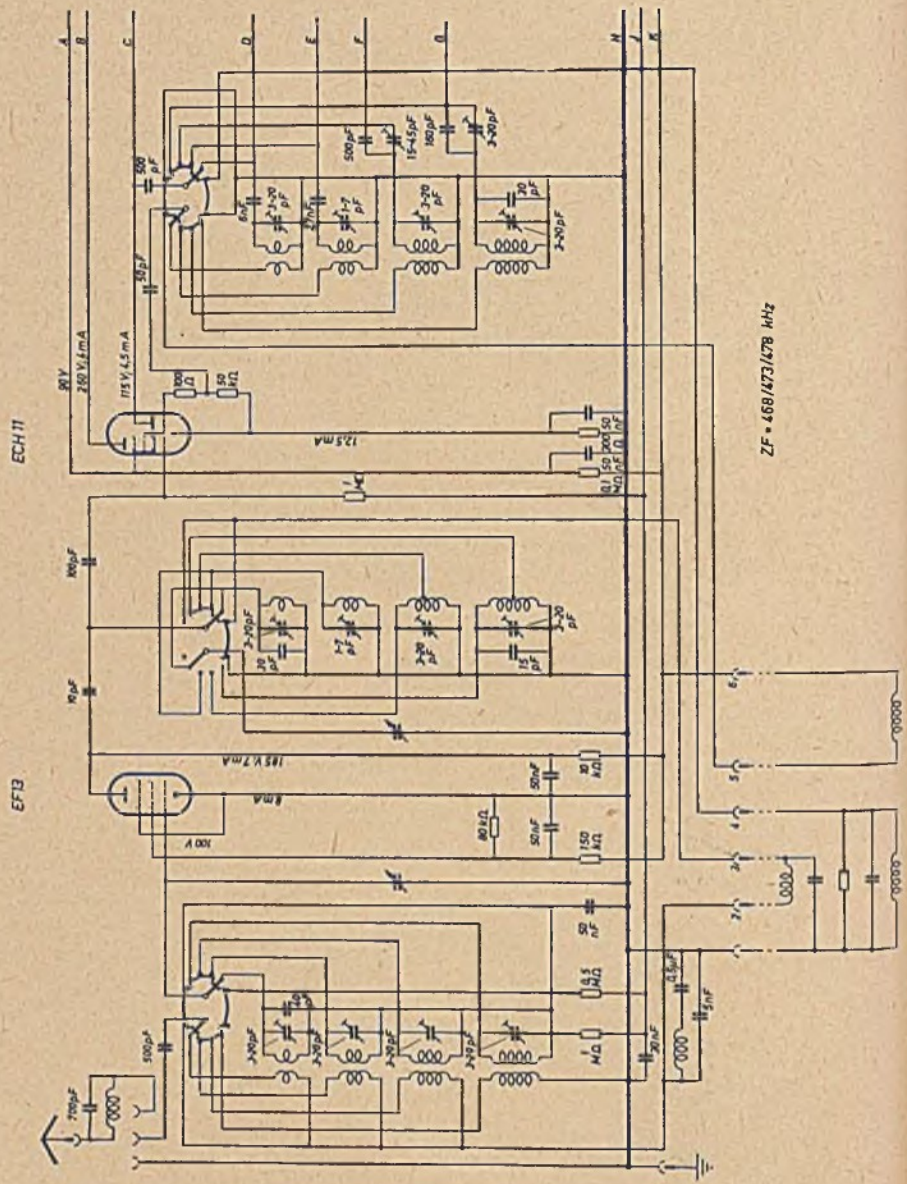


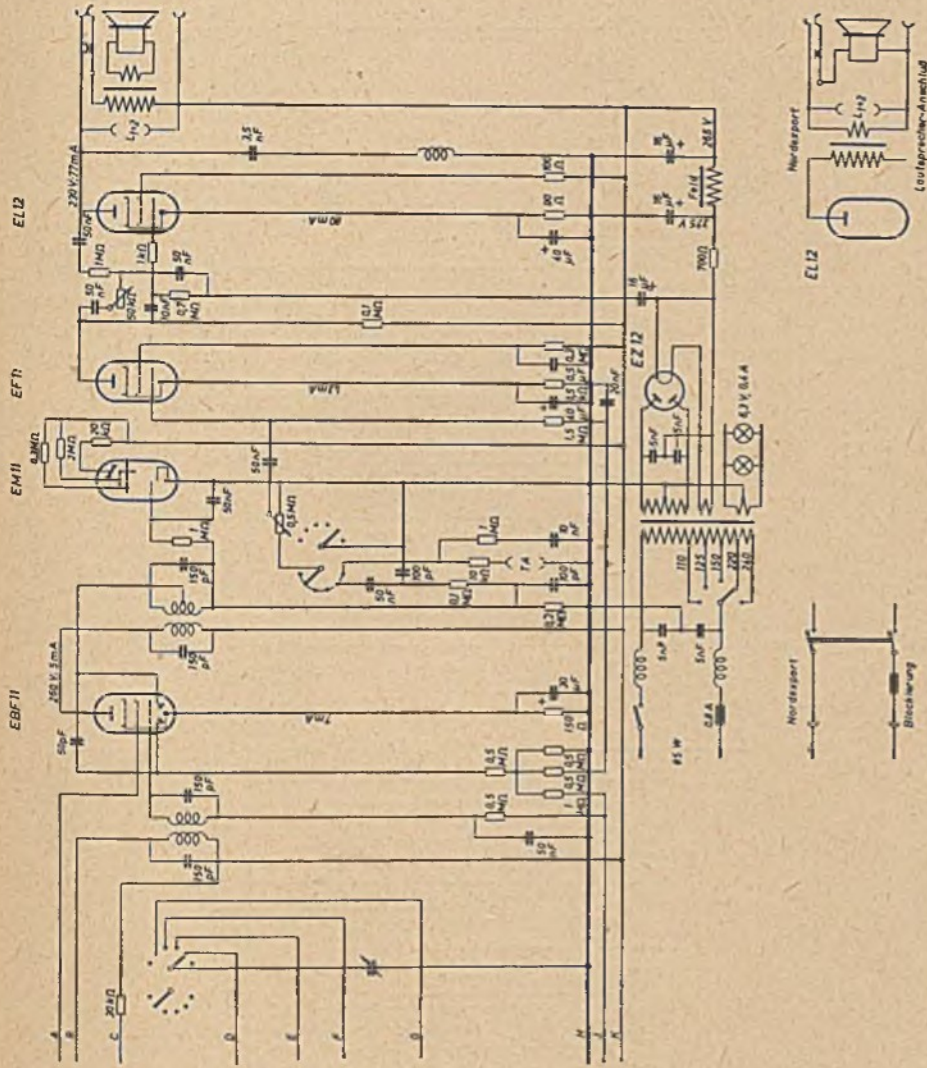


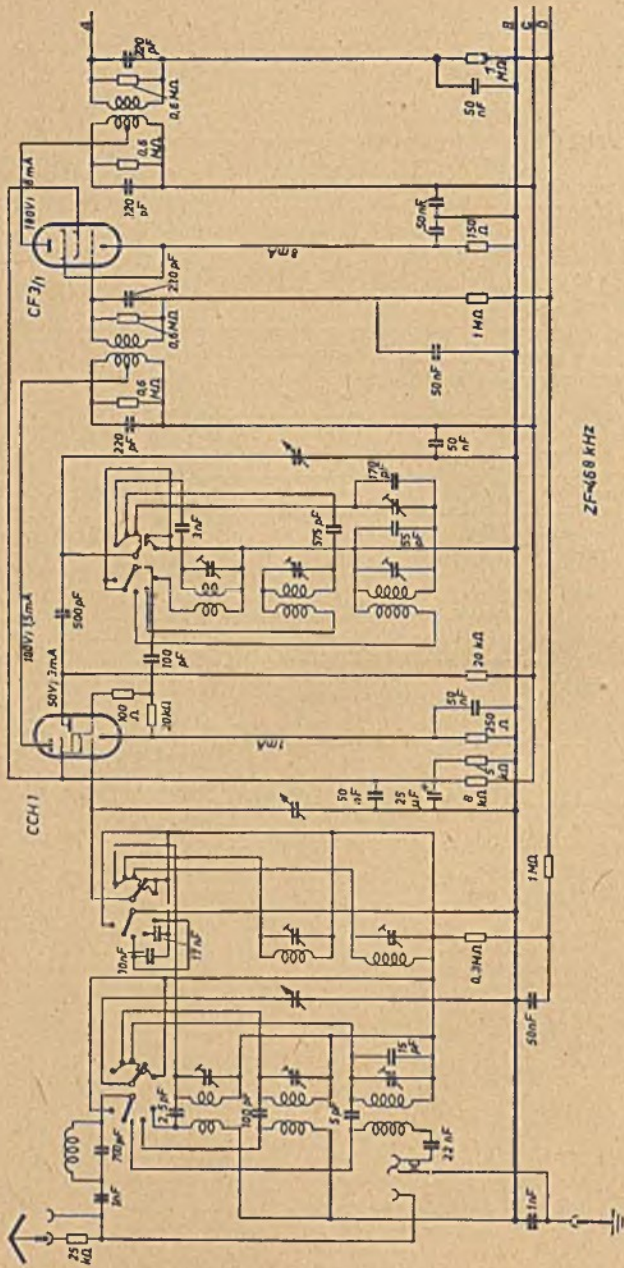


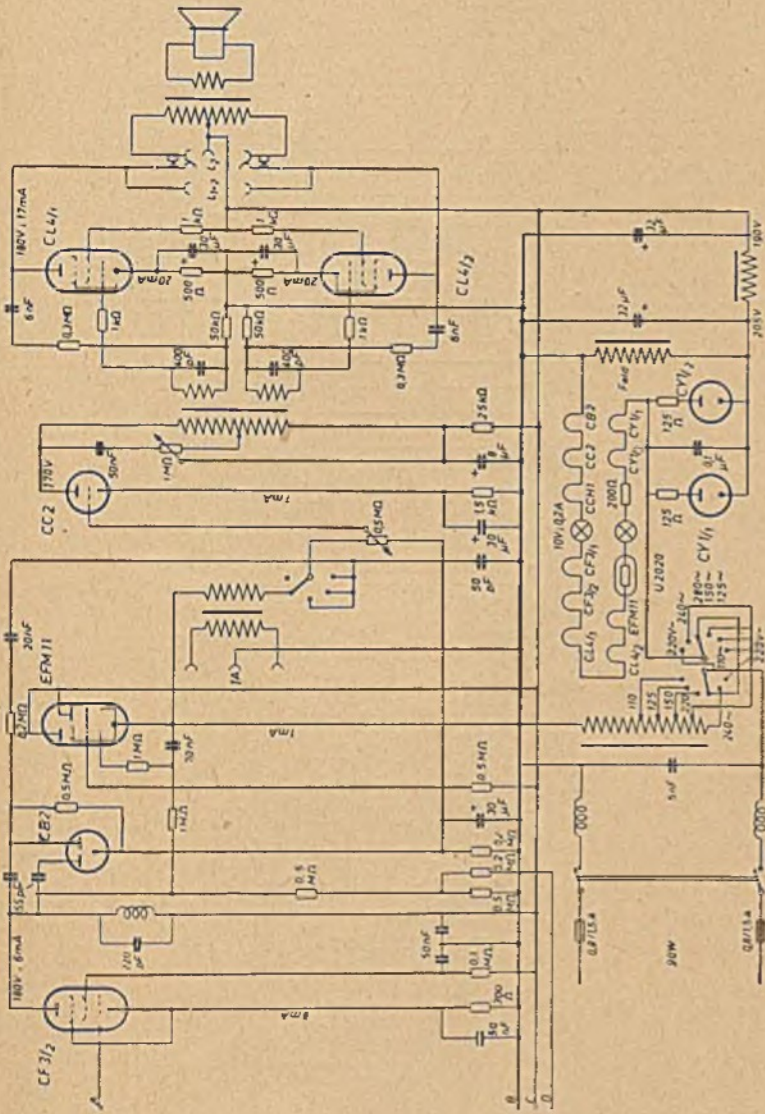
LORENZ

*(Produktion vor 1945)*



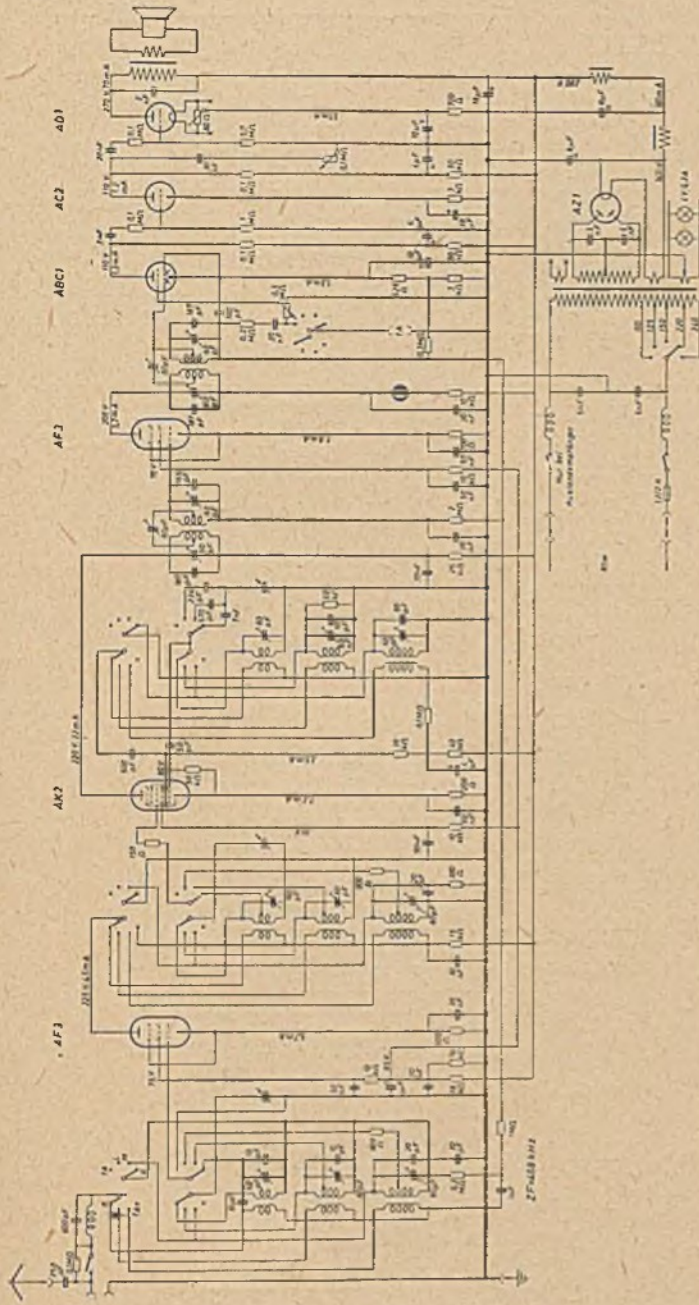




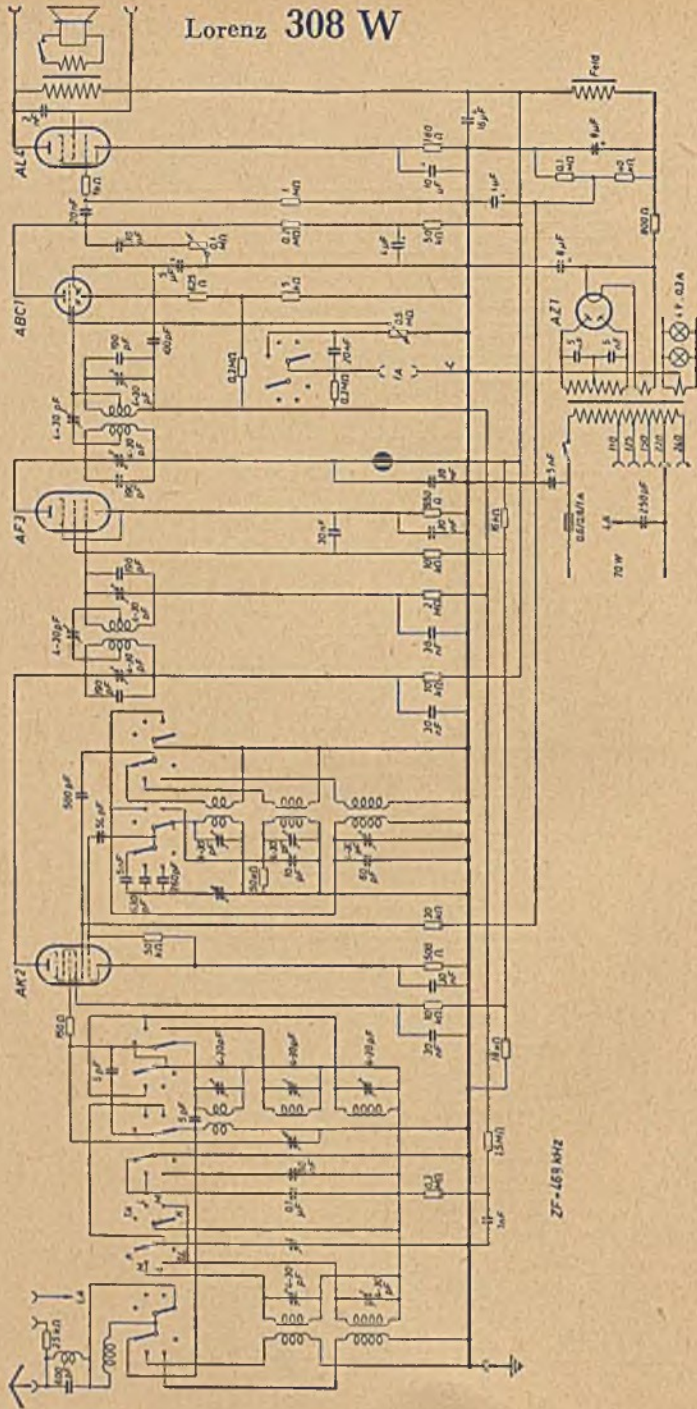




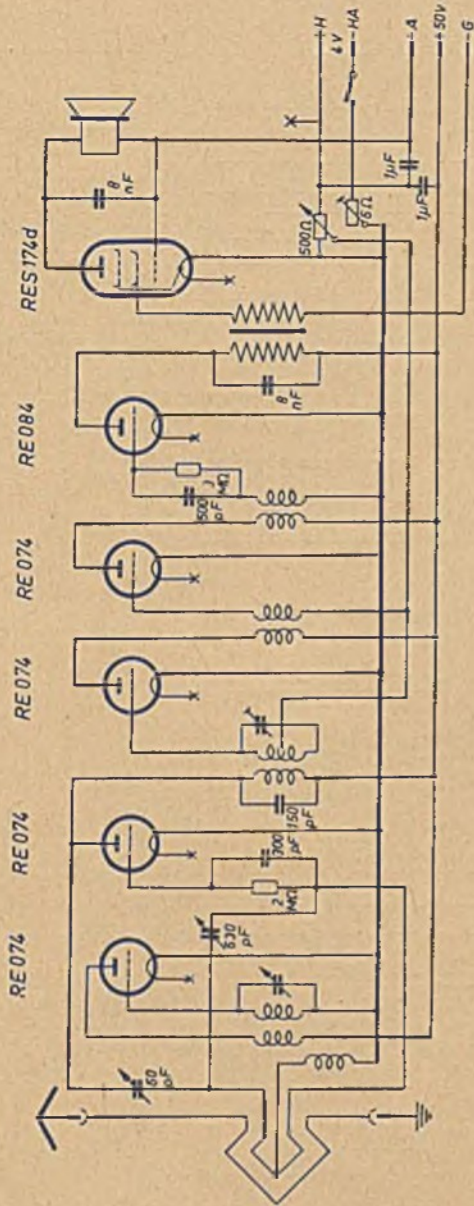




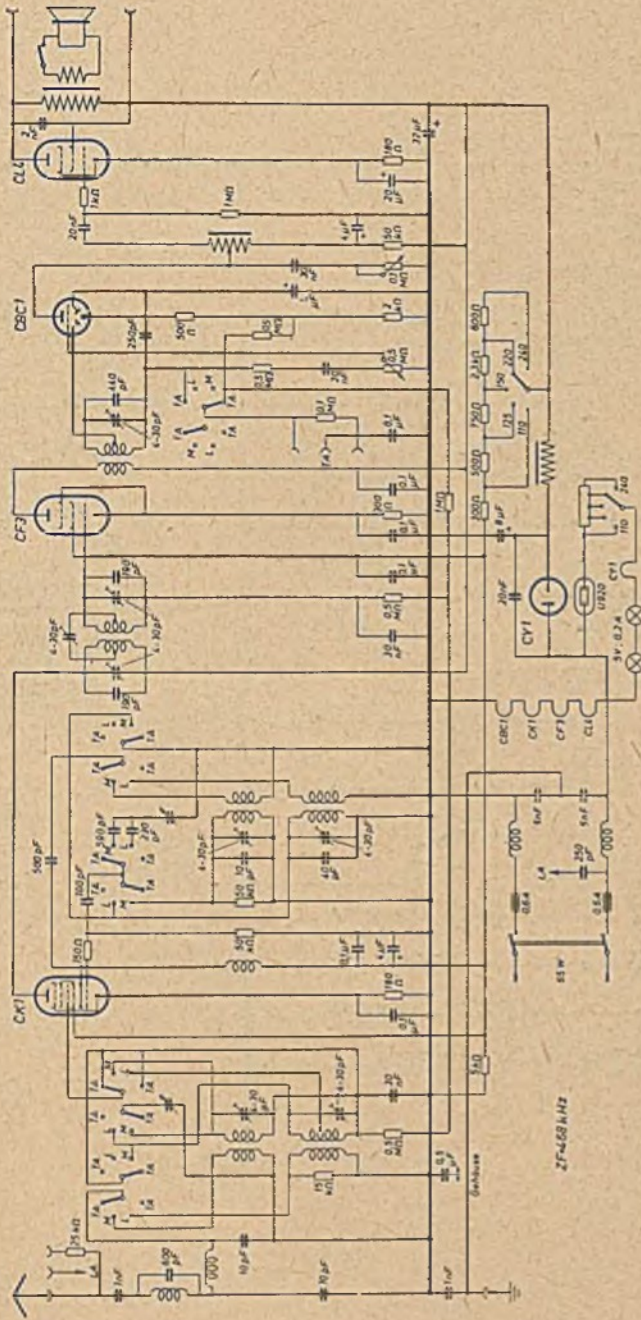
# Lorenz 308 W

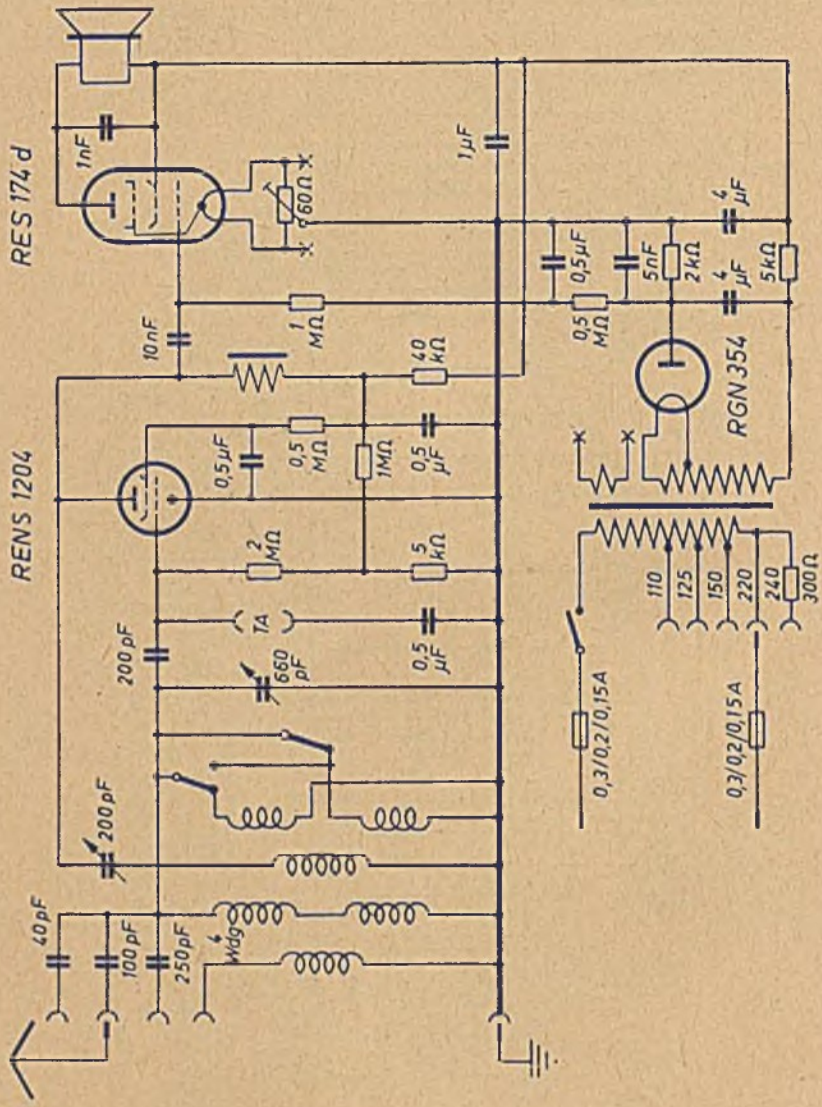


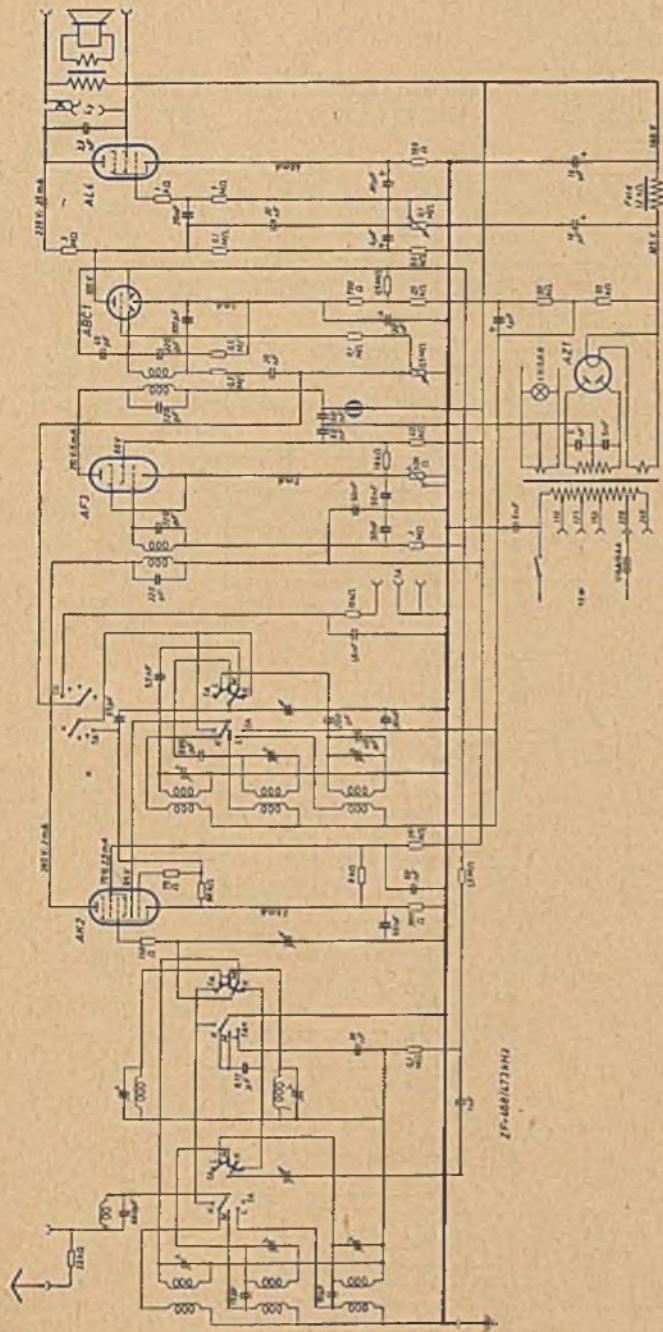
# Lorenz Weltspiegel (Kofferempfänger)



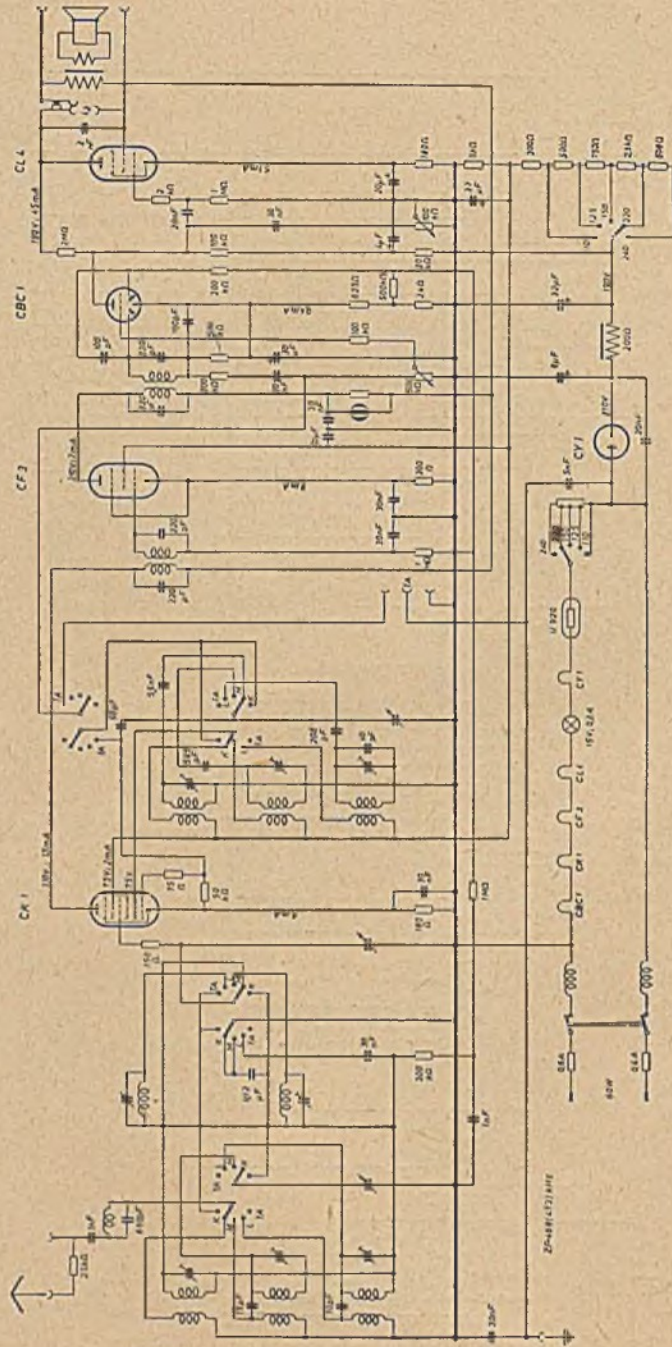




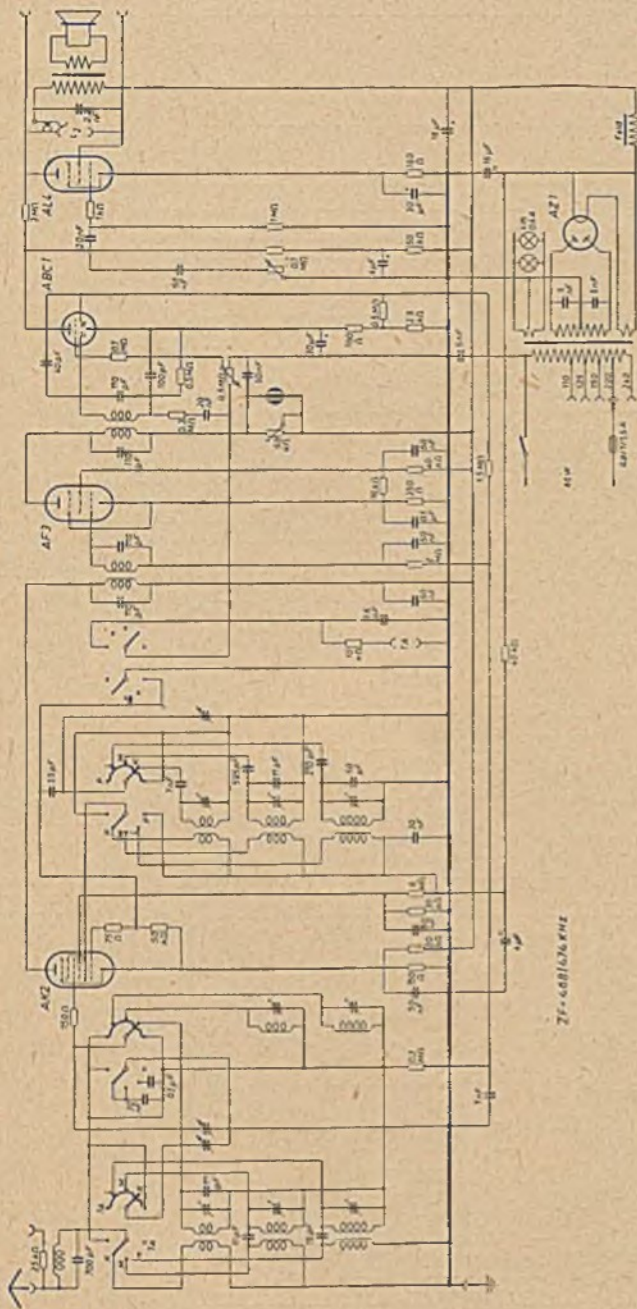




ZF-108/127041

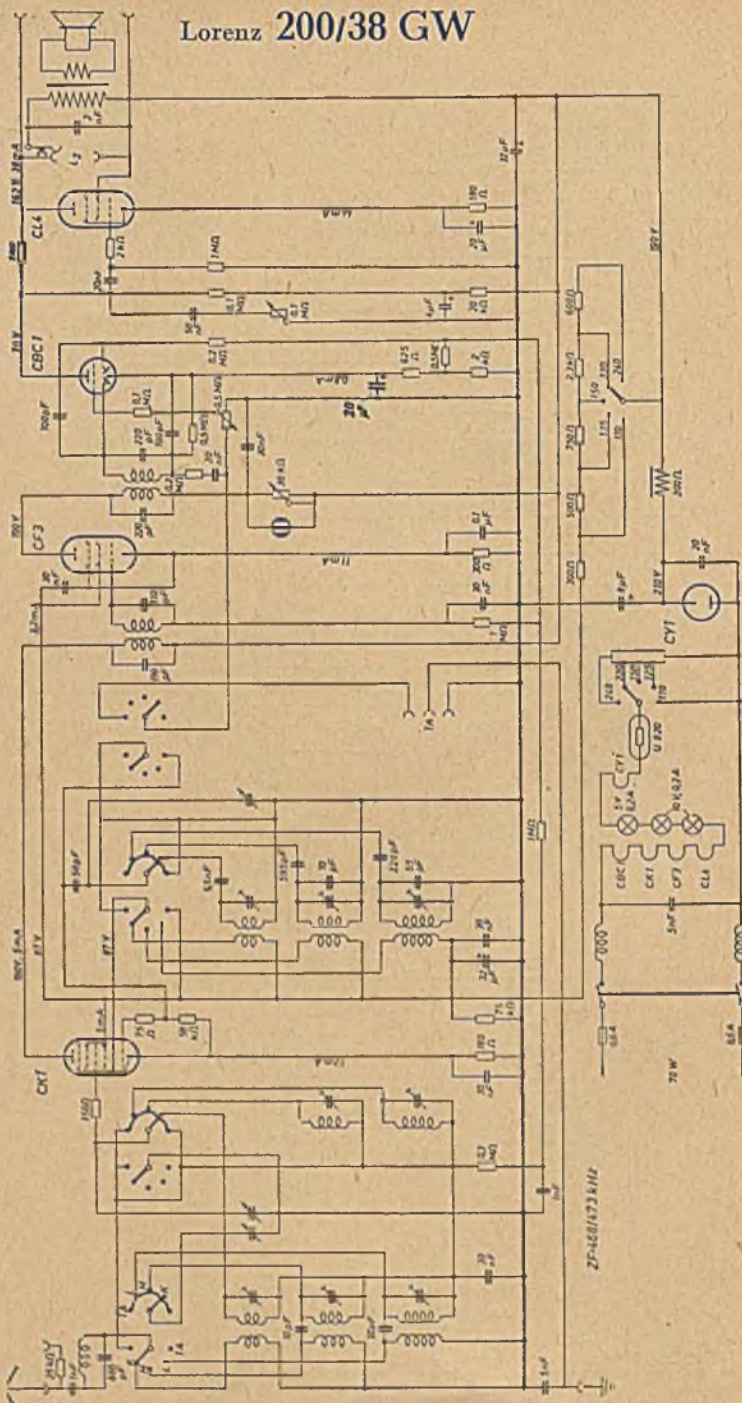


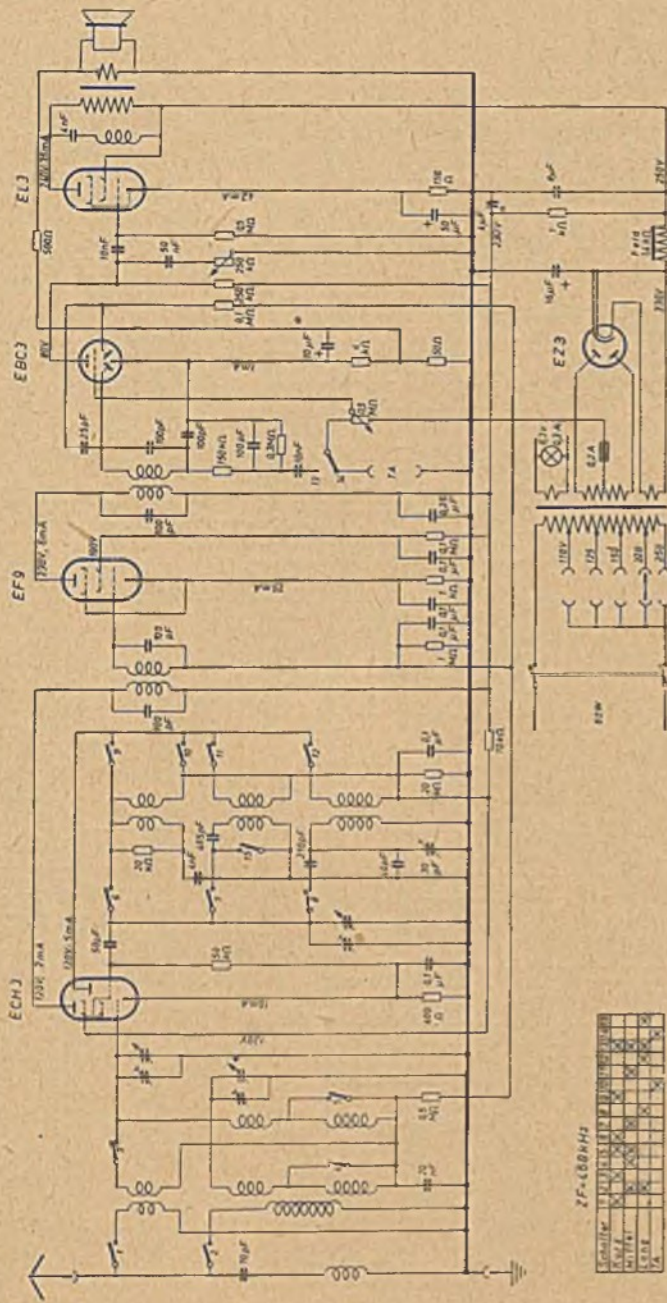




27-601/27 KHZ

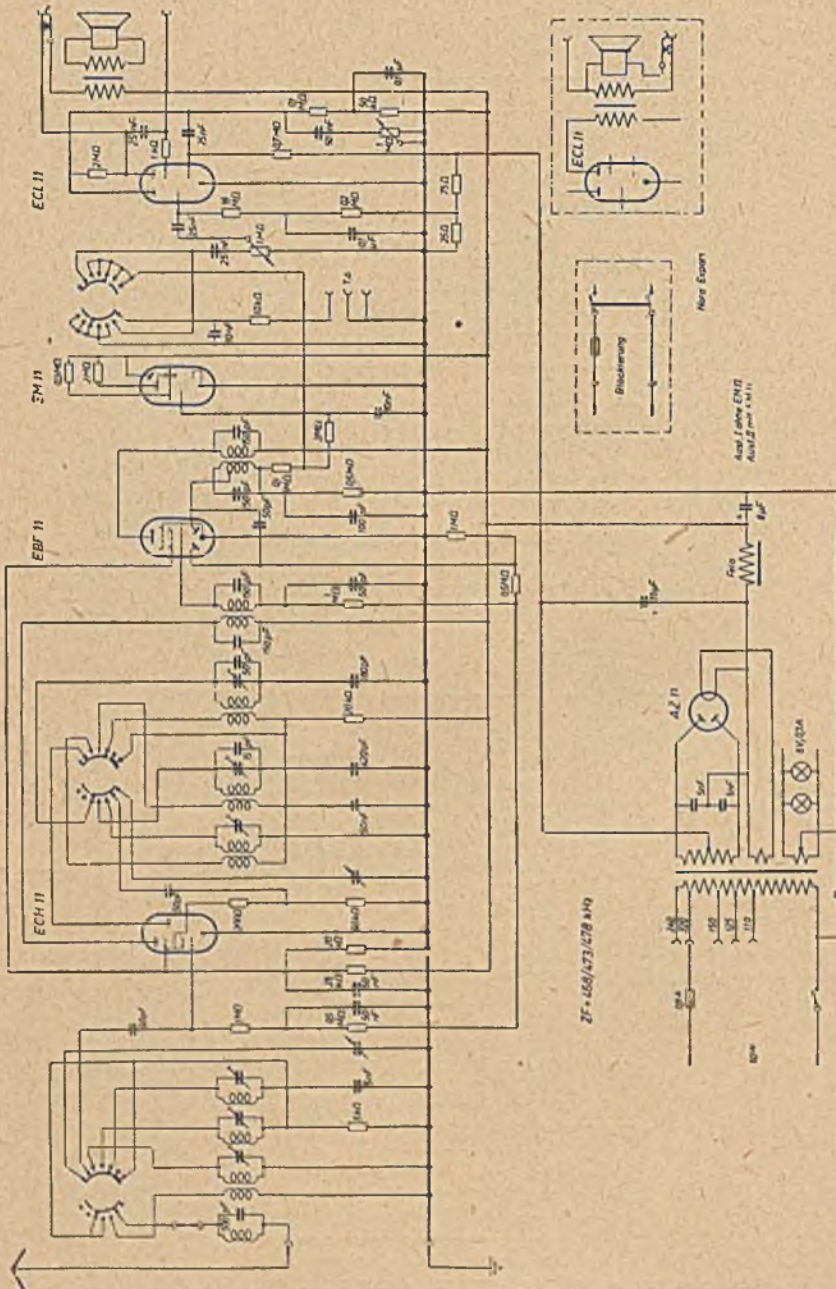
# Lorenz 200/38 GW

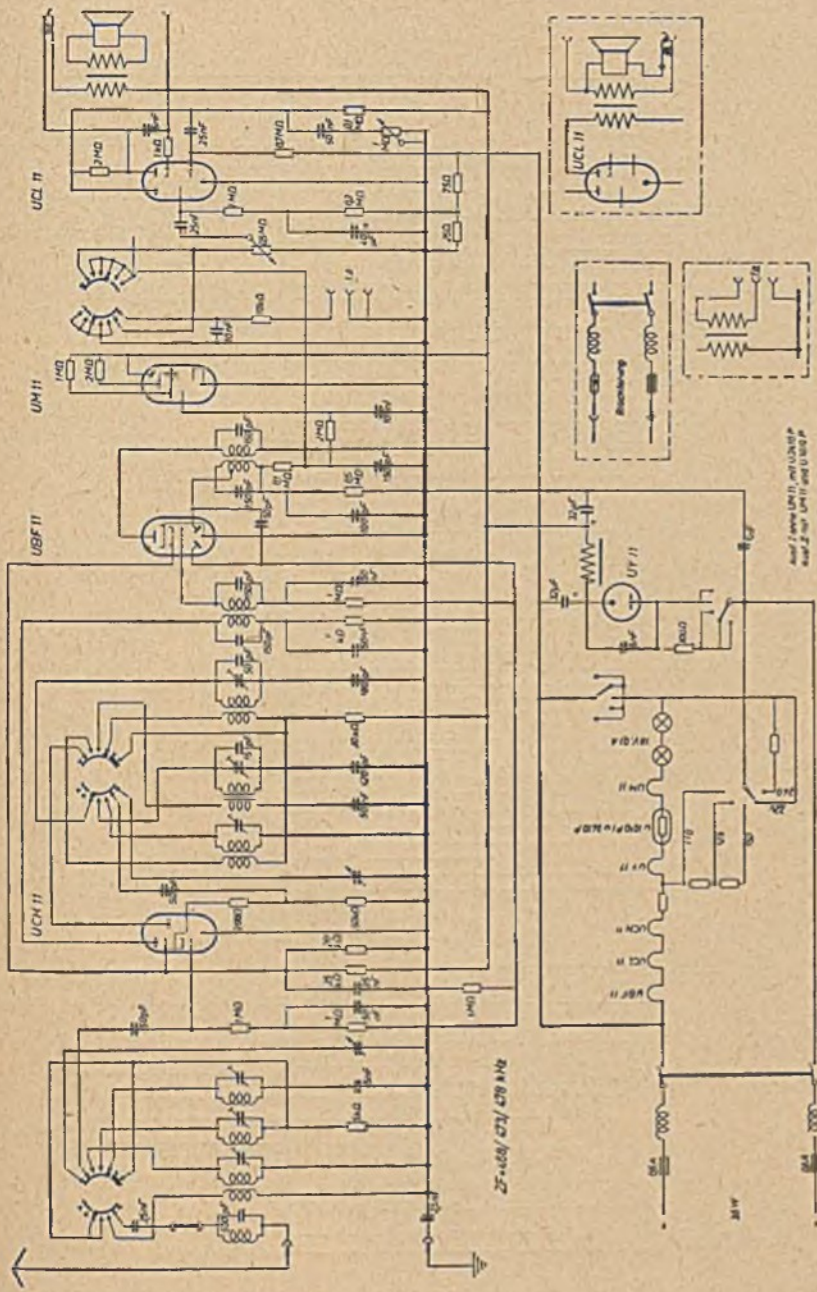


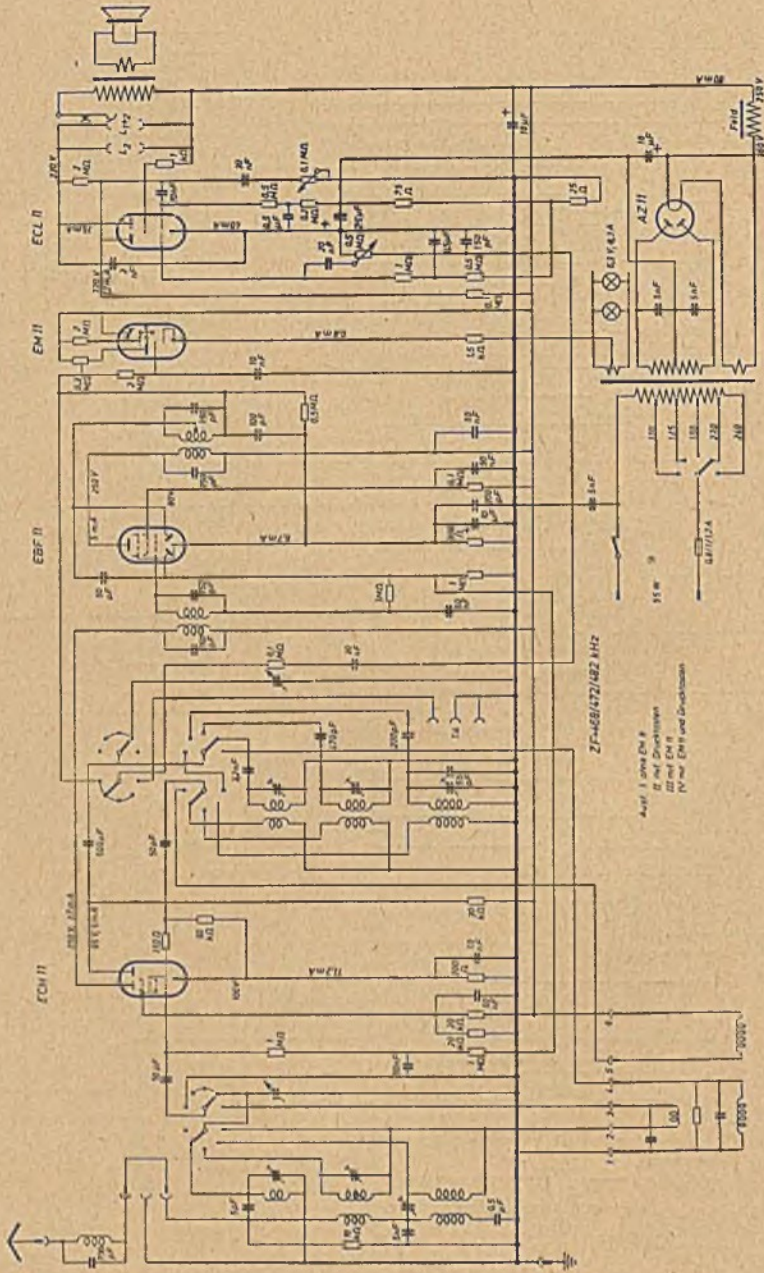


2F-C60K111

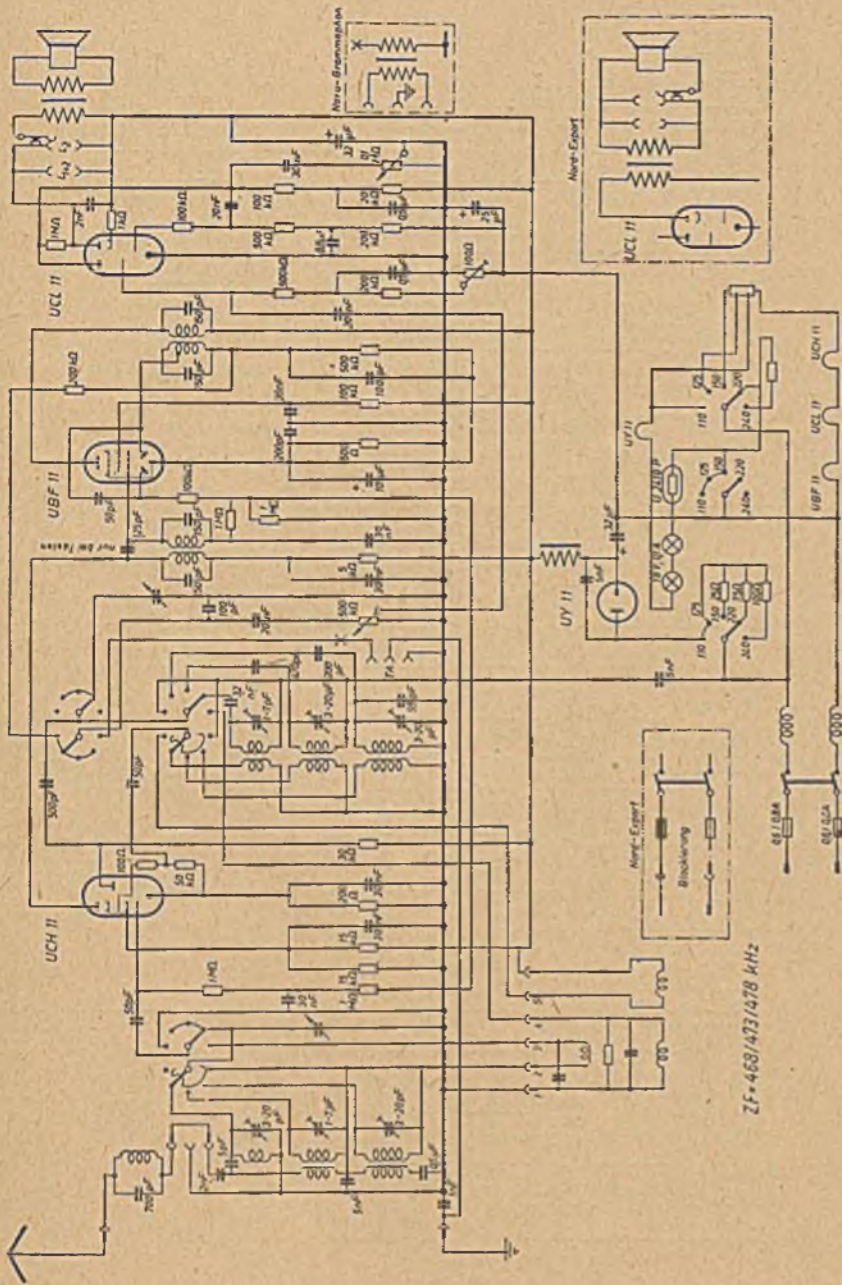
1	2	3	4	5	6	7	8	9	10
100K	100K	100K	100K	100K	100K	100K	100K	100K	100K
100K	100K	100K	100K	100K	100K	100K	100K	100K	100K
100K	100K	100K	100K	100K	100K	100K	100K	100K	100K
100K	100K	100K	100K	100K	100K	100K	100K	100K	100K

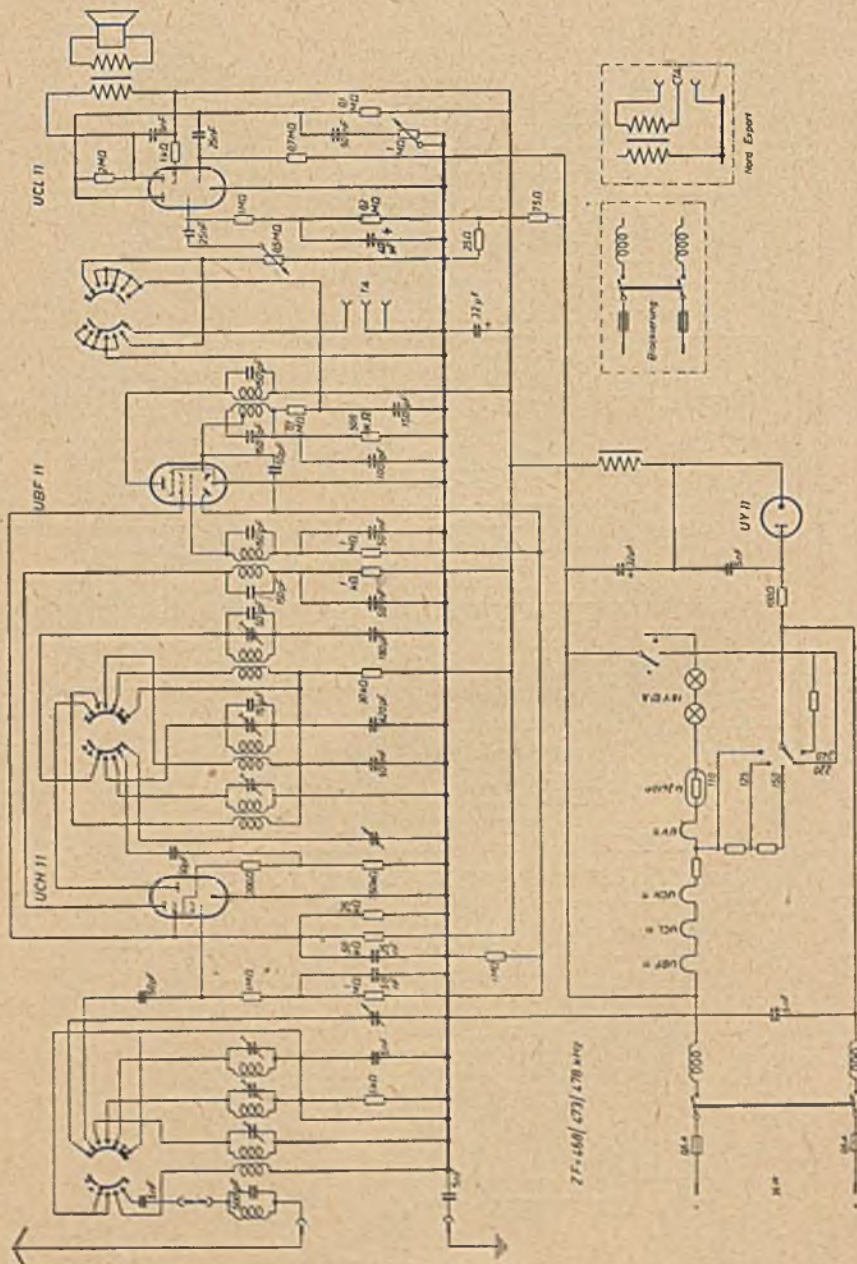




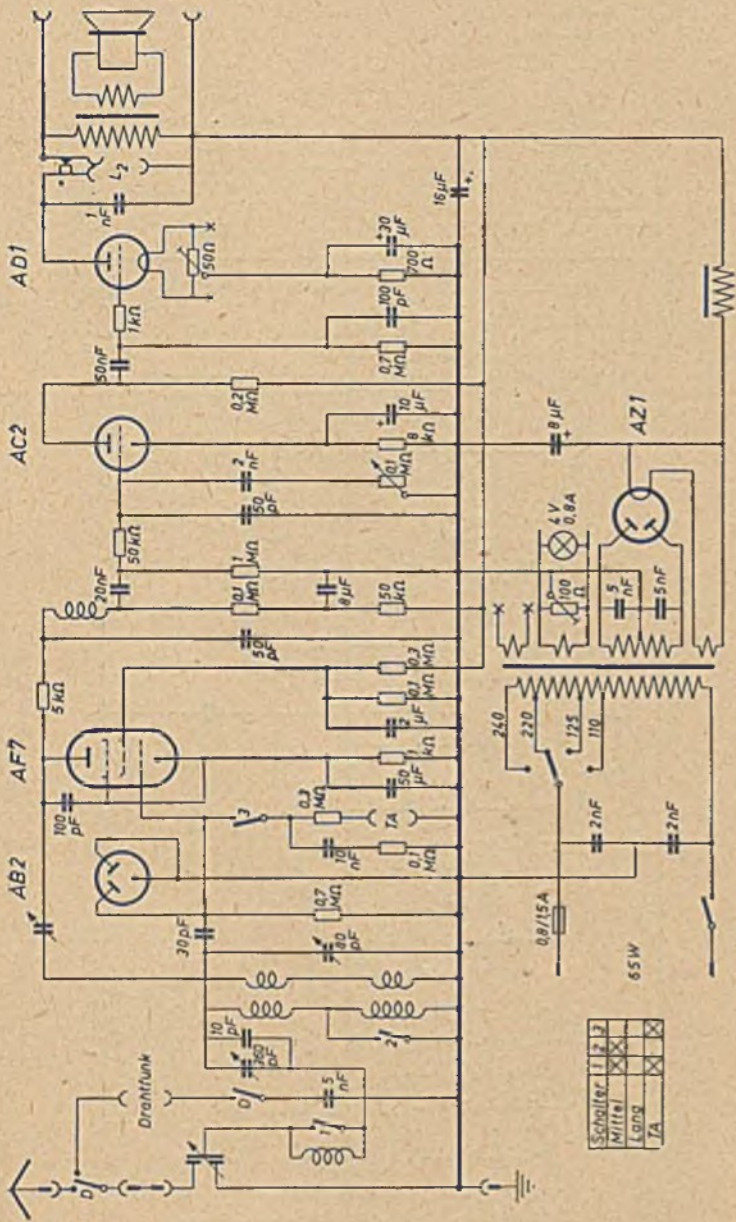


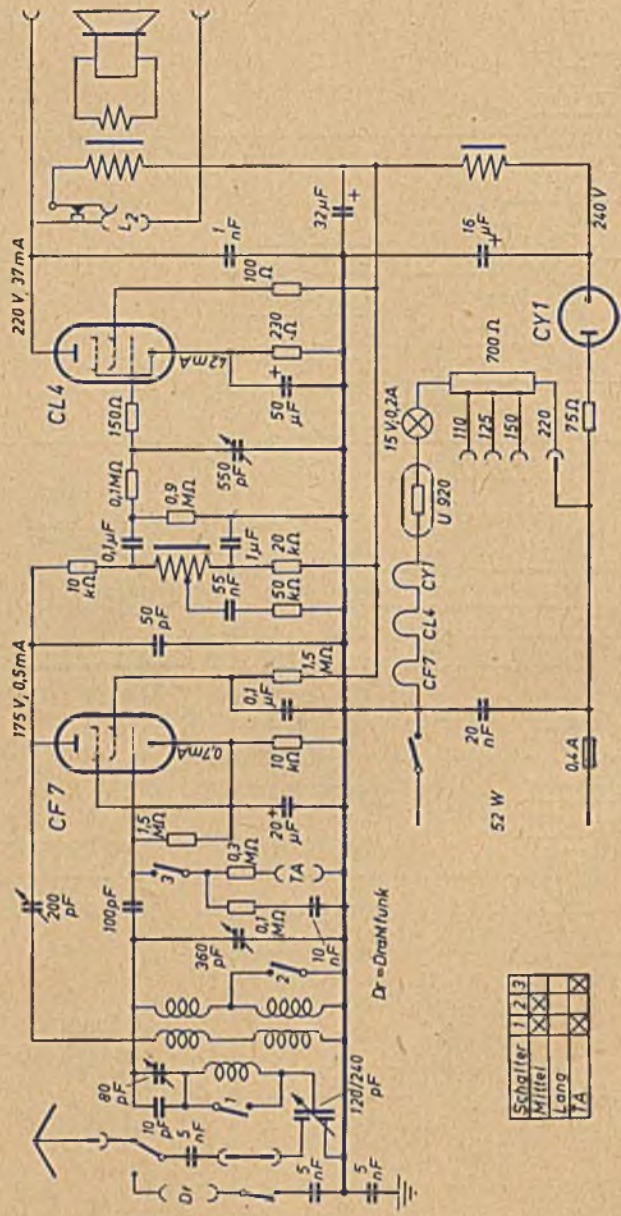
# Lorenz 150 A/I und A/II

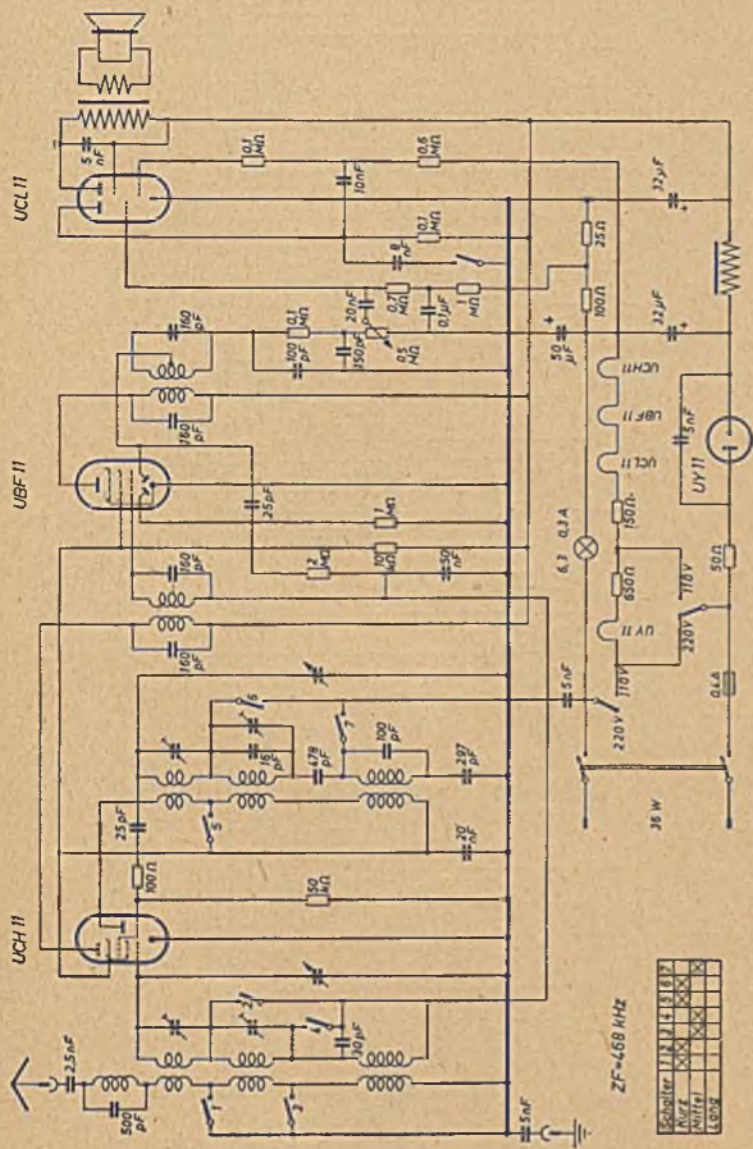


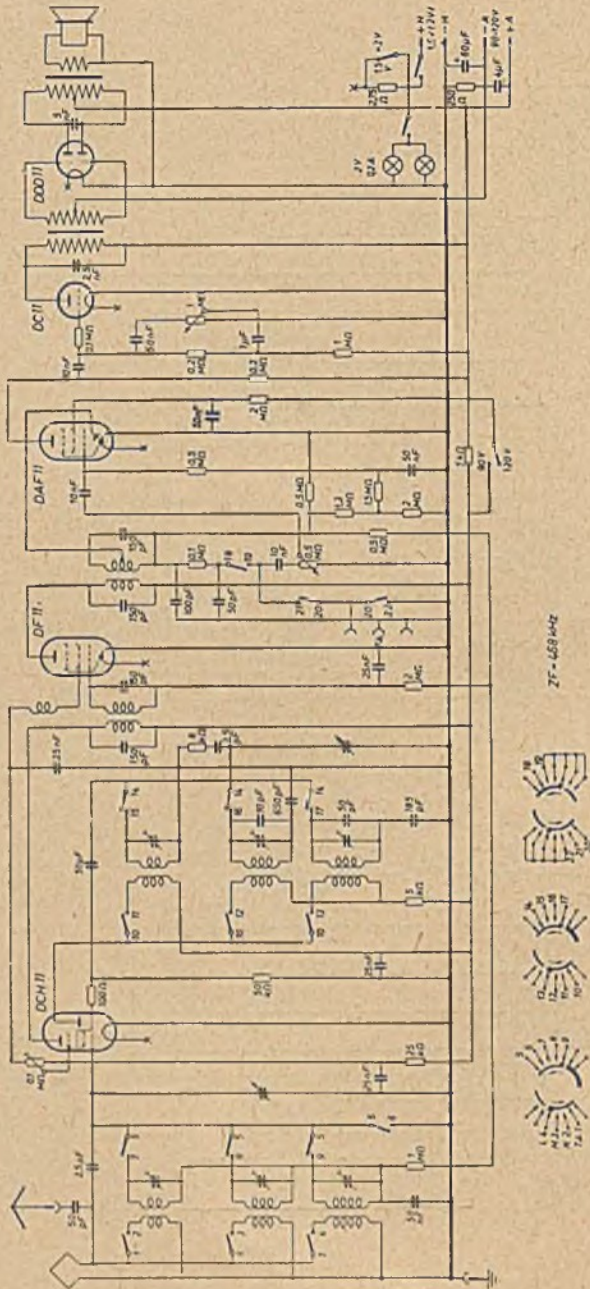




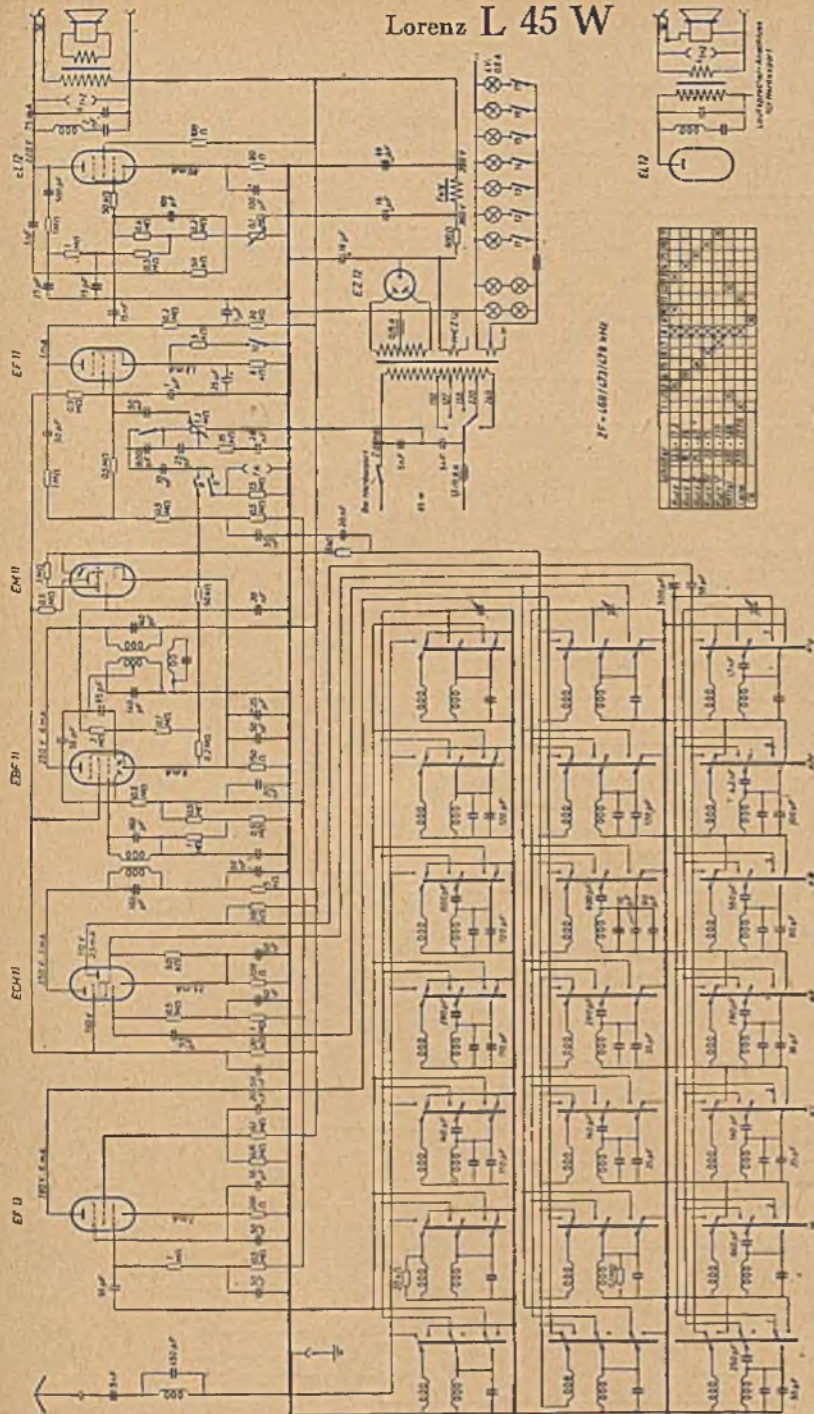








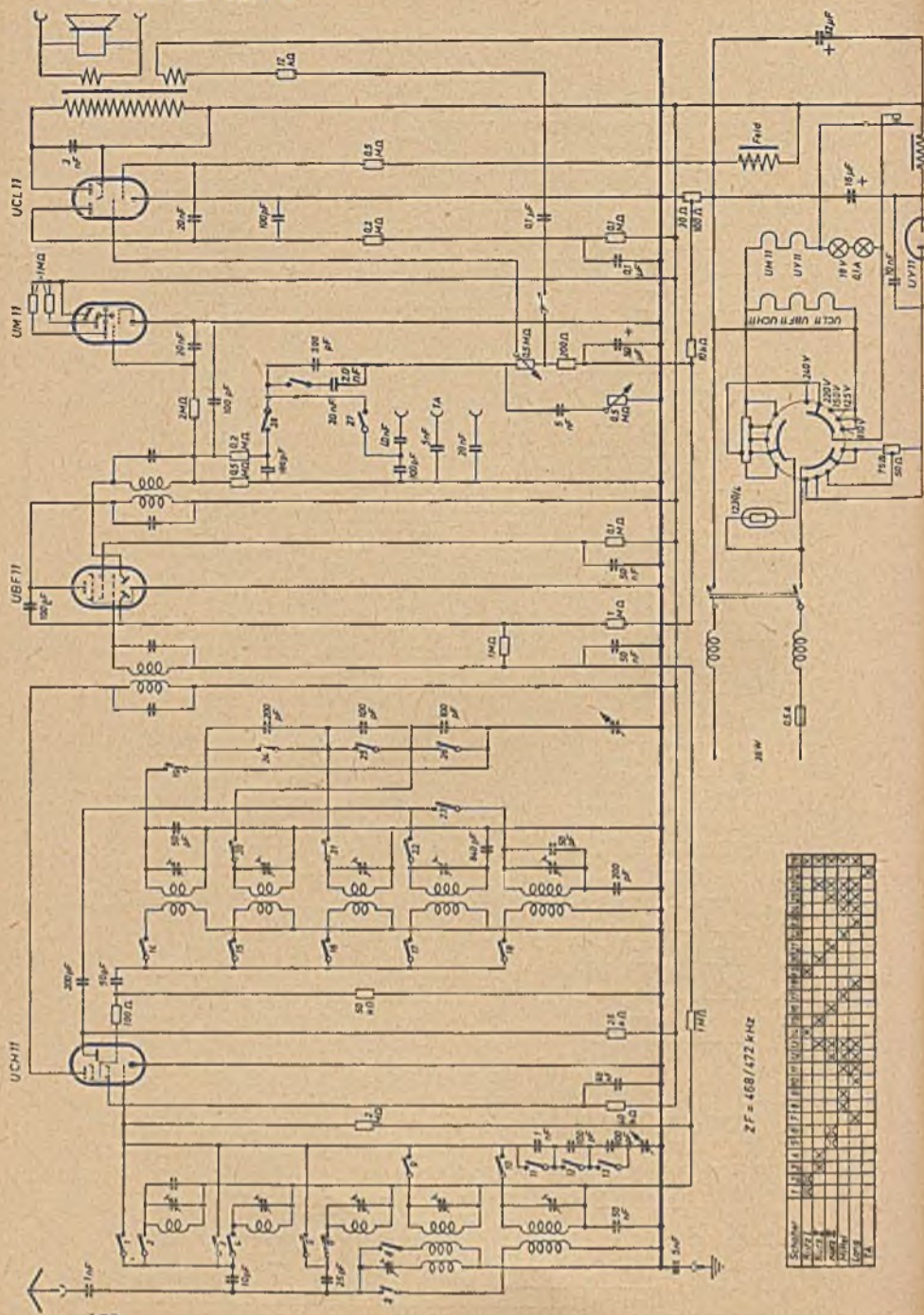
# Lorenz L 45 W



ZF - 681/421/128 kHz

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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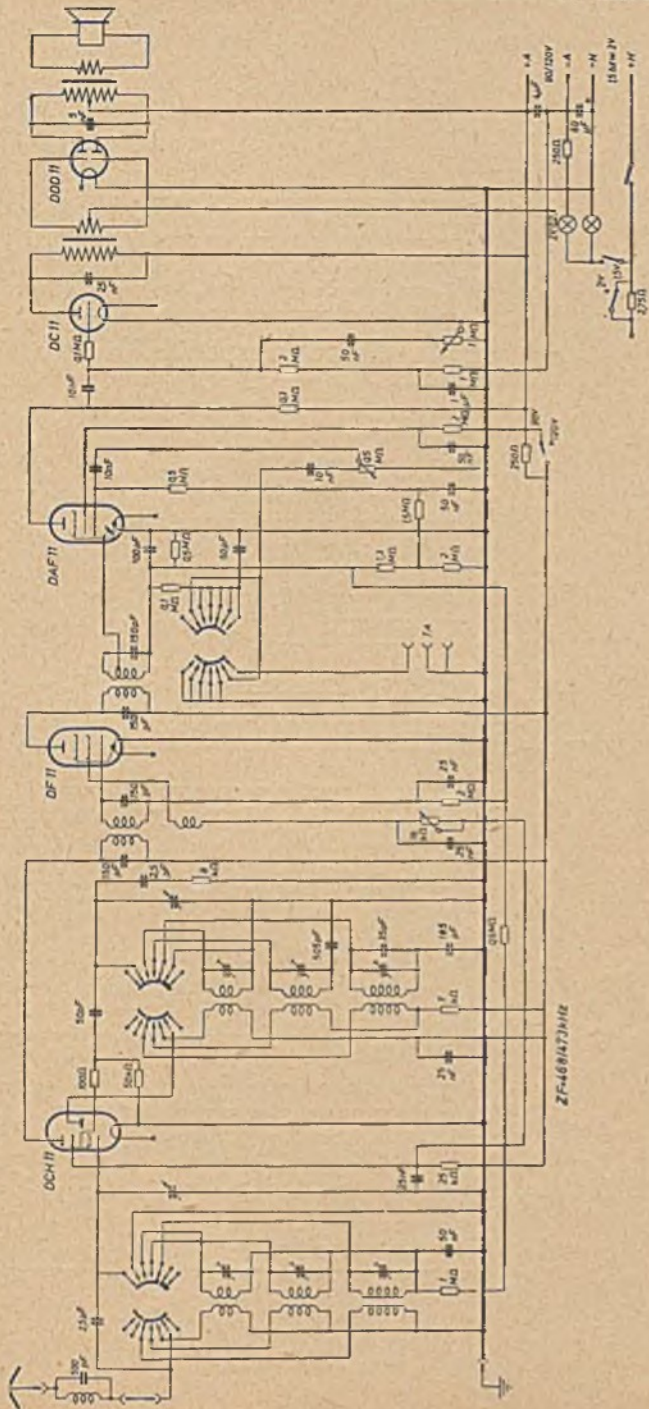
# Lorenz D42 A

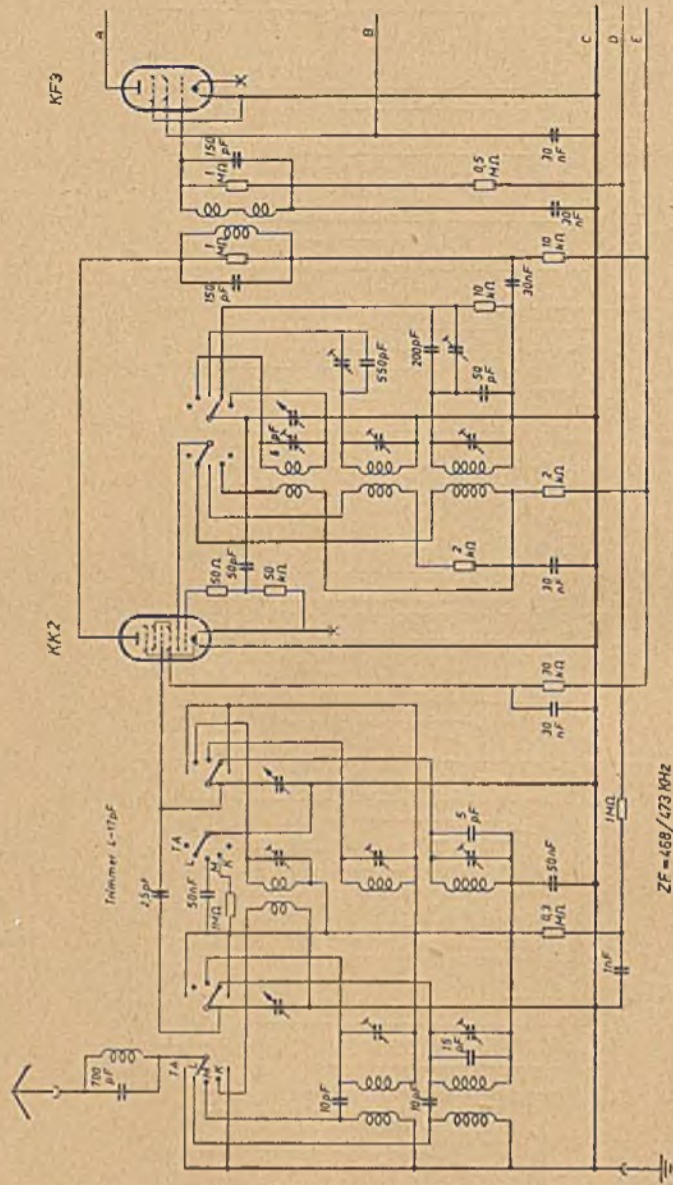


Schaltplan

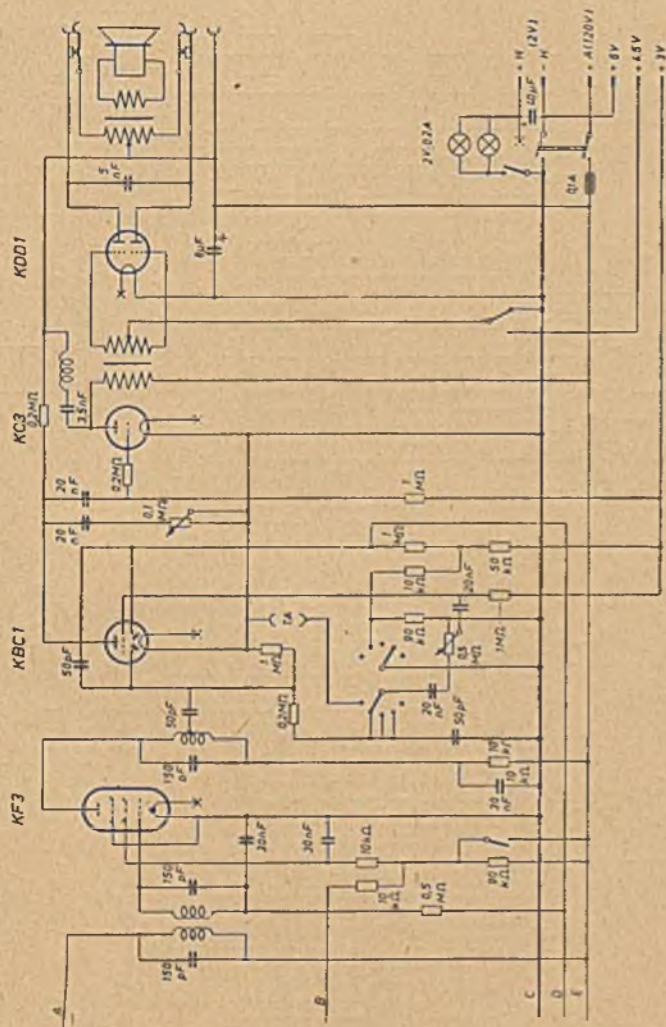
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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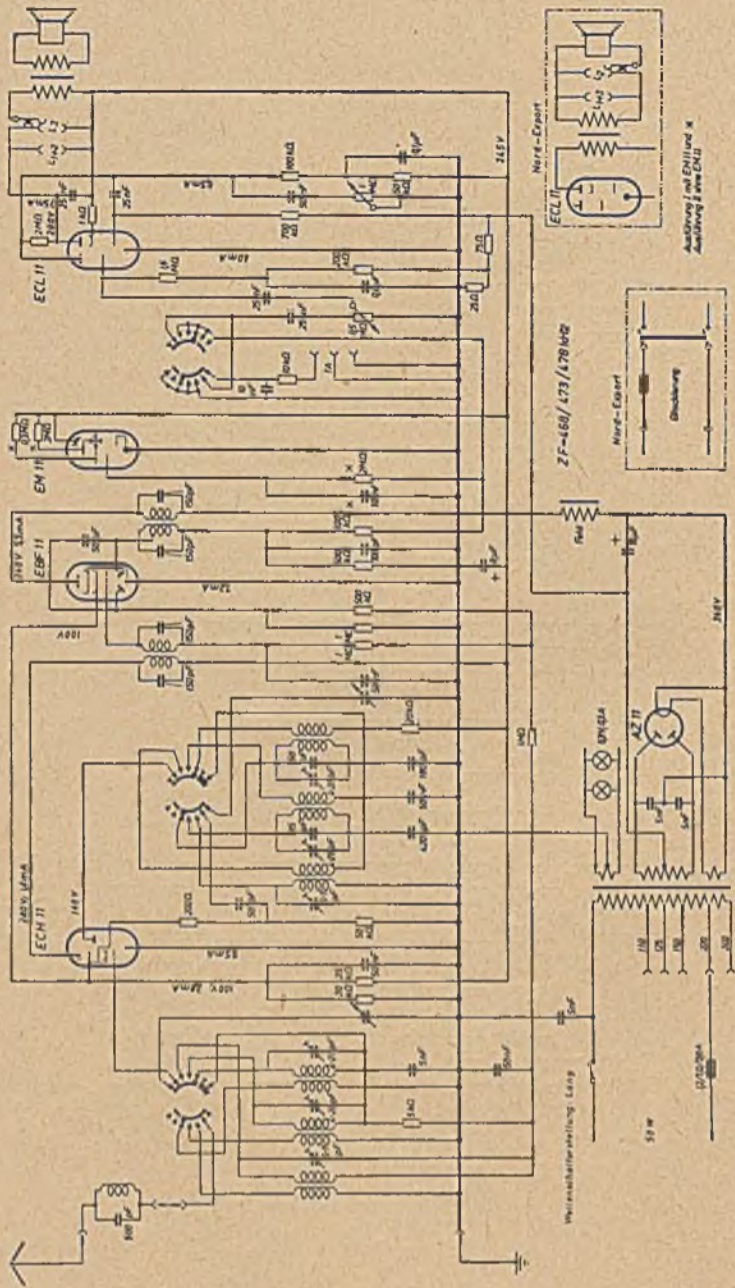
ZF = 468 / 472 K HZ



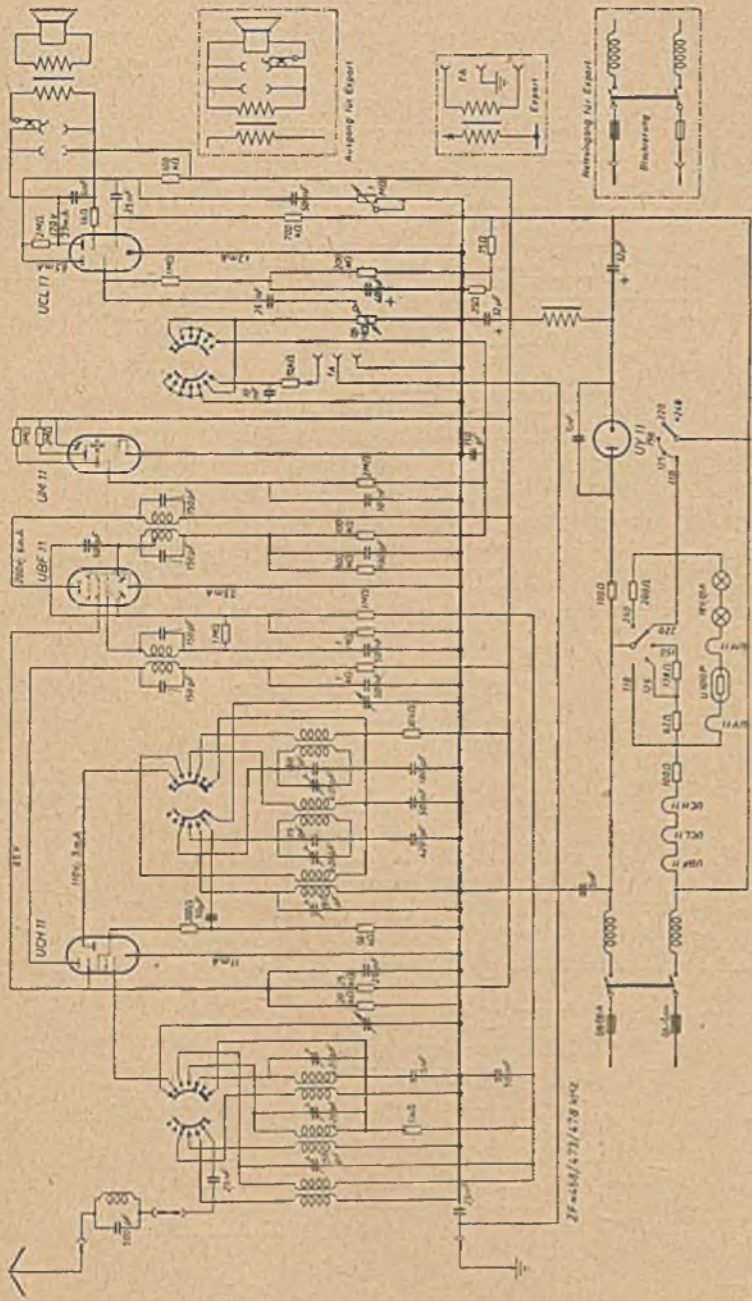


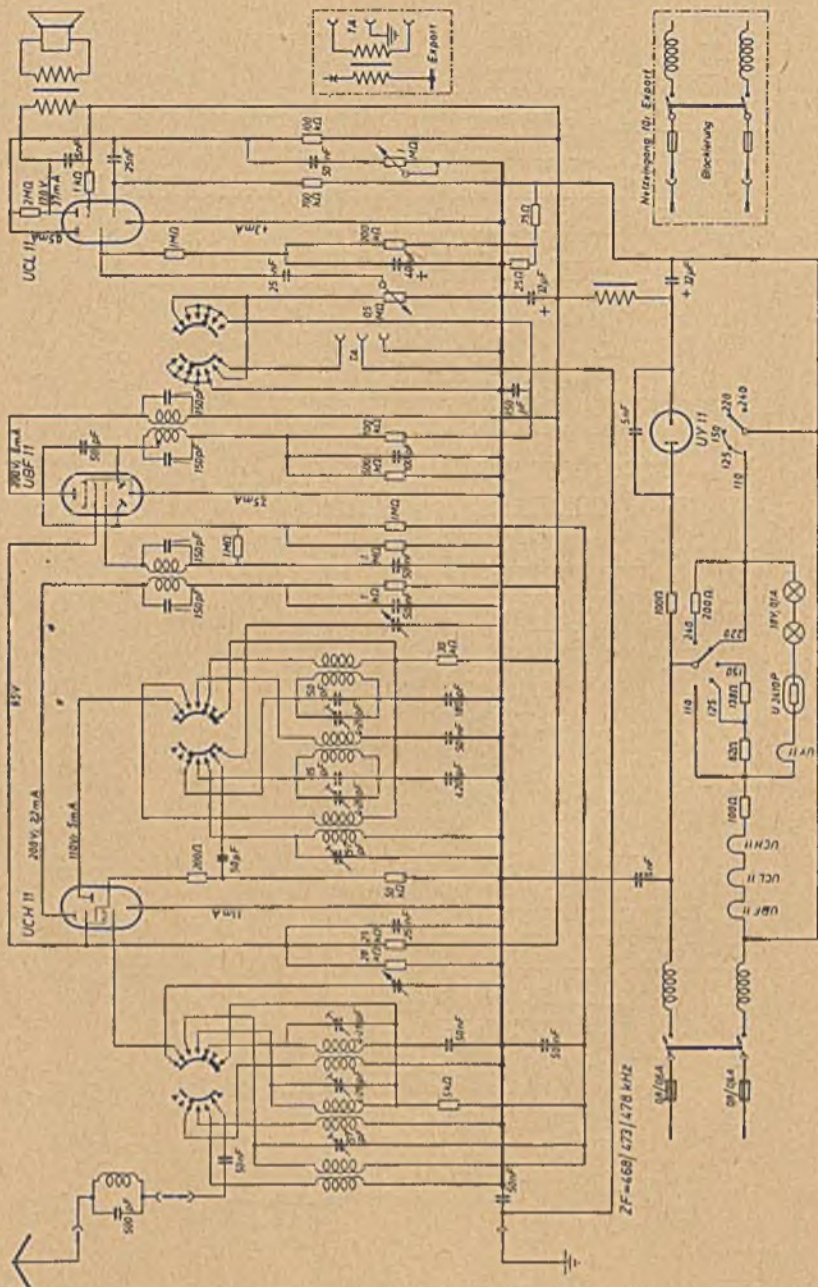


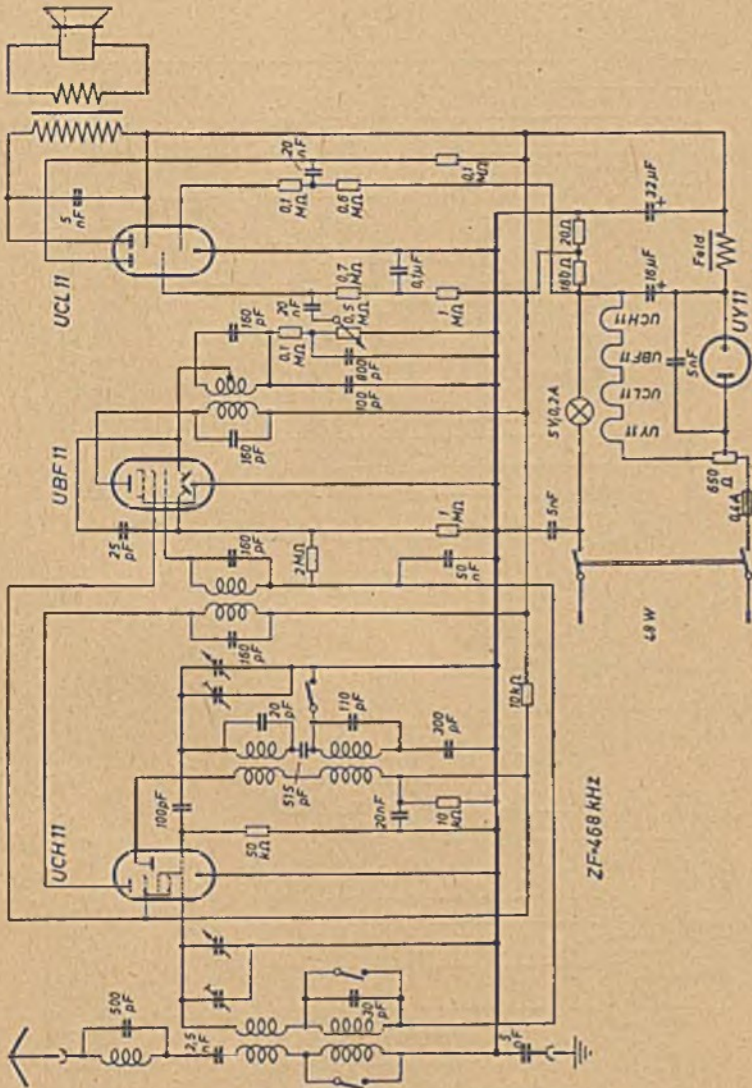




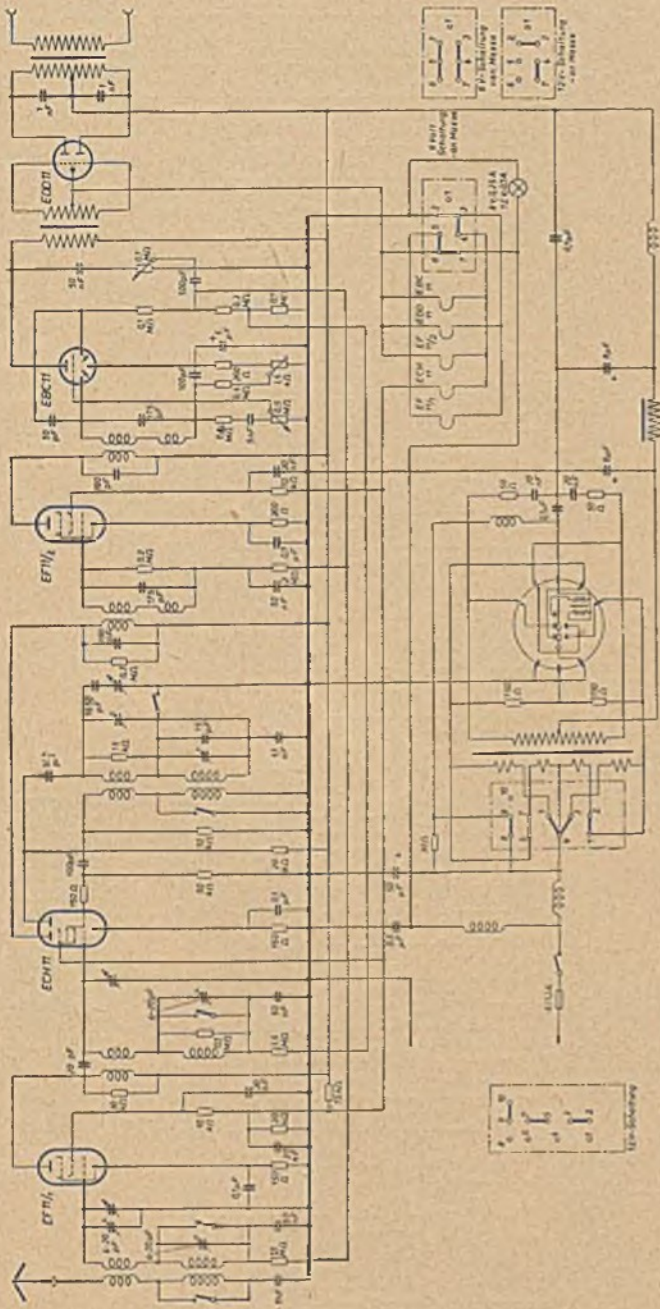
# Lorenz 30 A und 30/II A



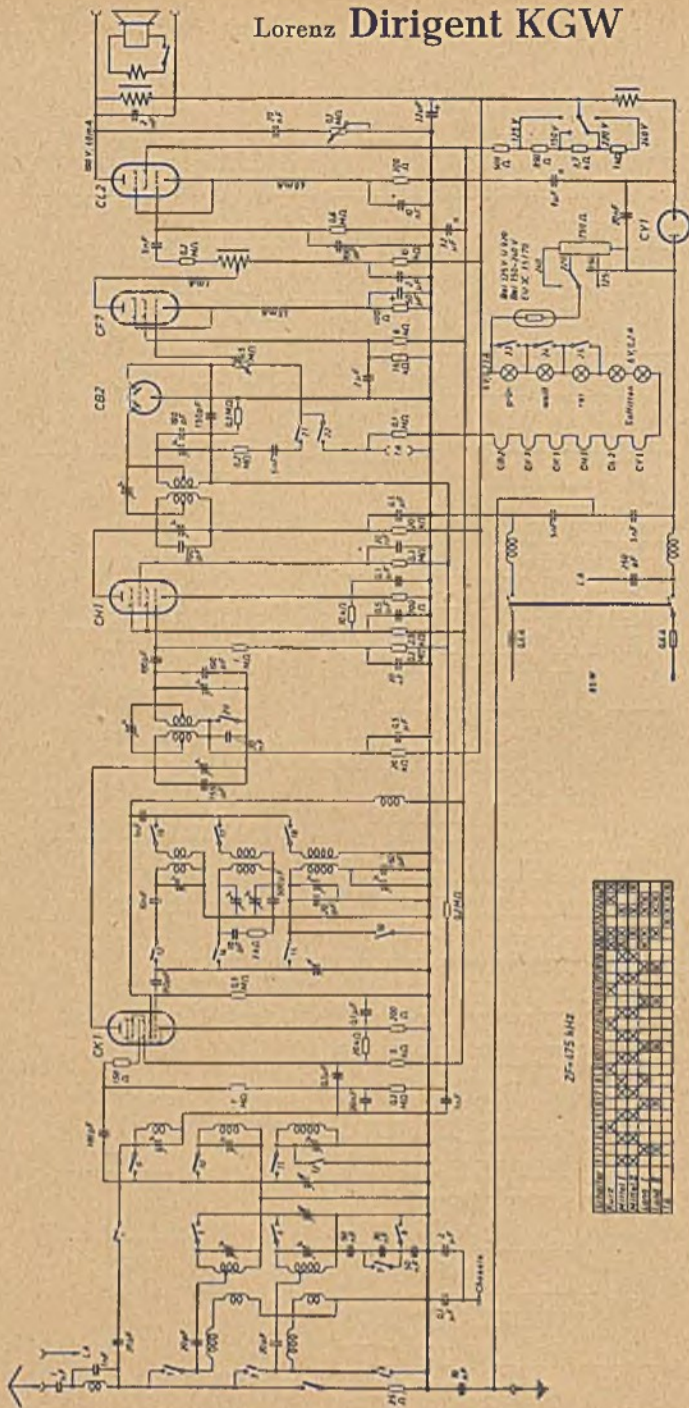








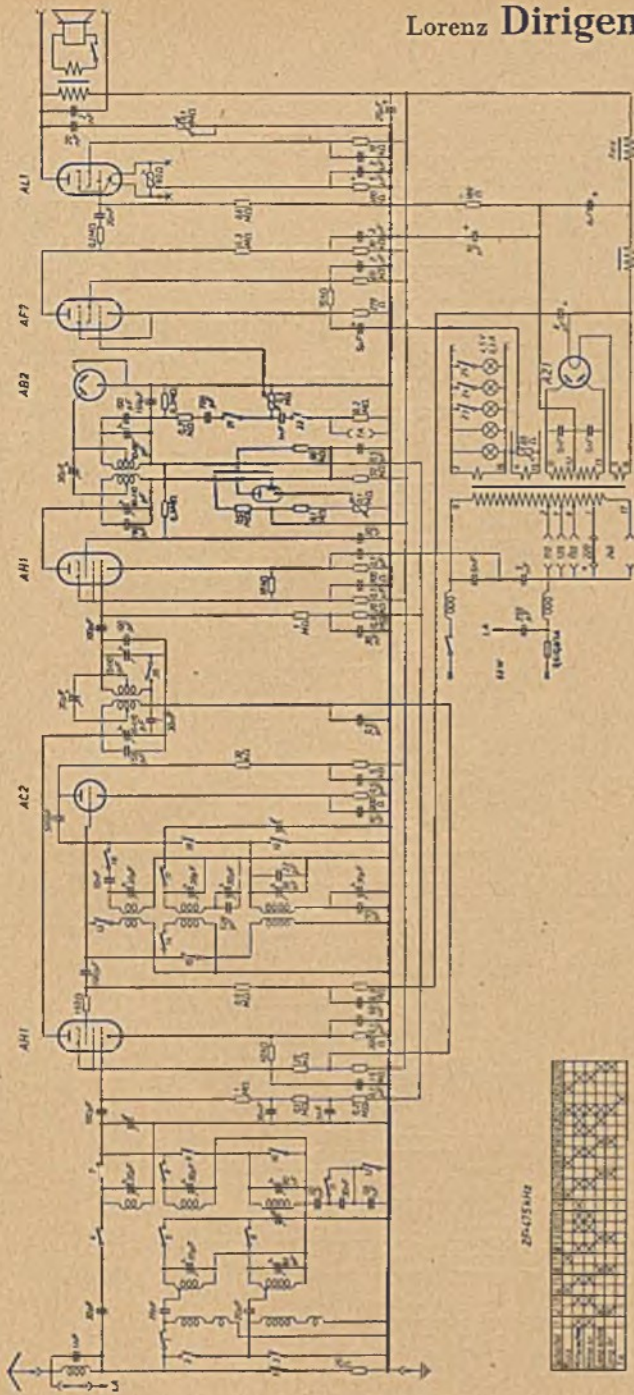
# Lorenz Dirigent KGW

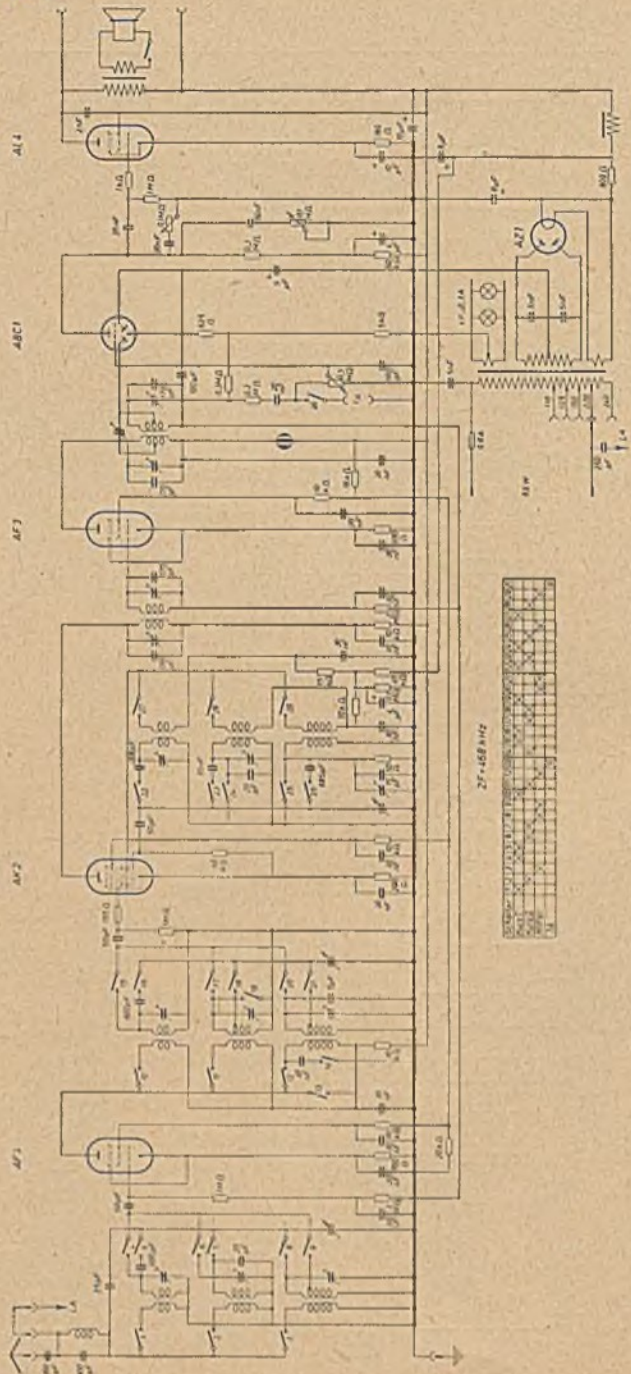


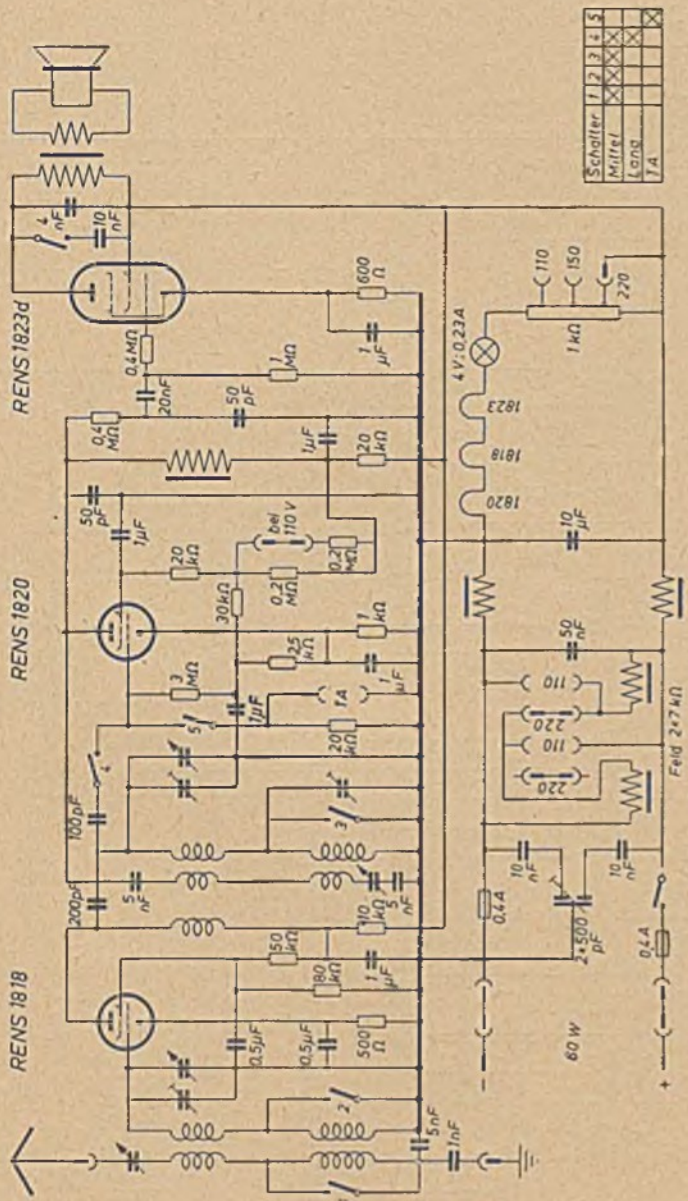
ZF-475 kHz

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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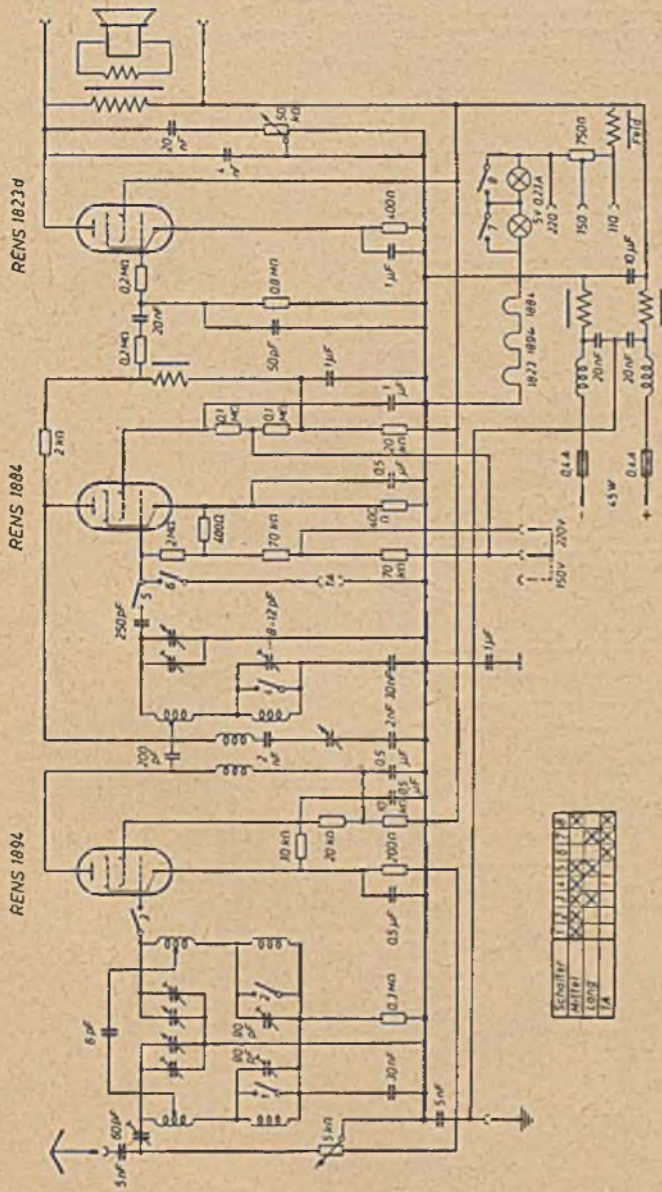


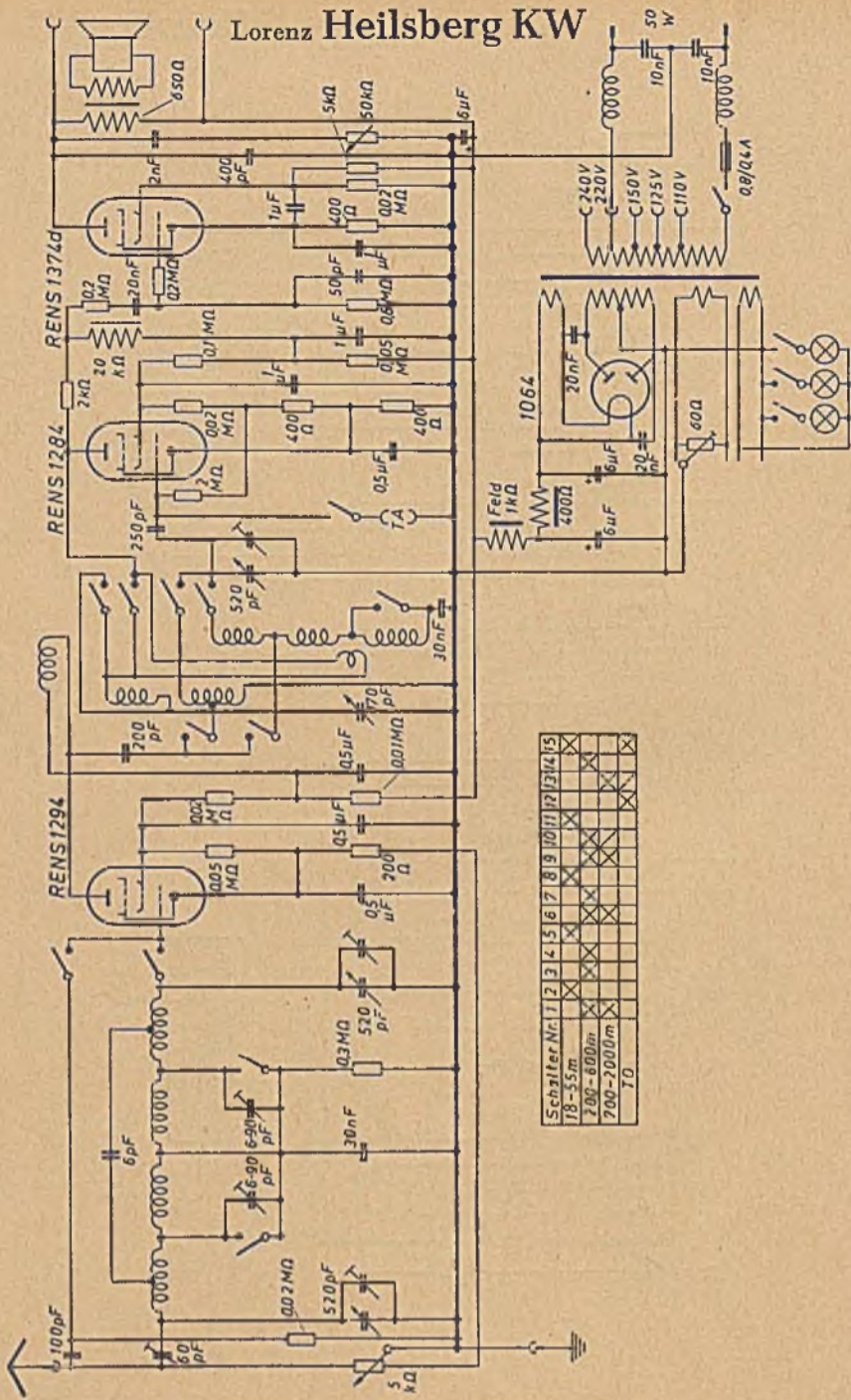




Schalter	1	2	3	4	5
Mittel					
Lang					
TA					

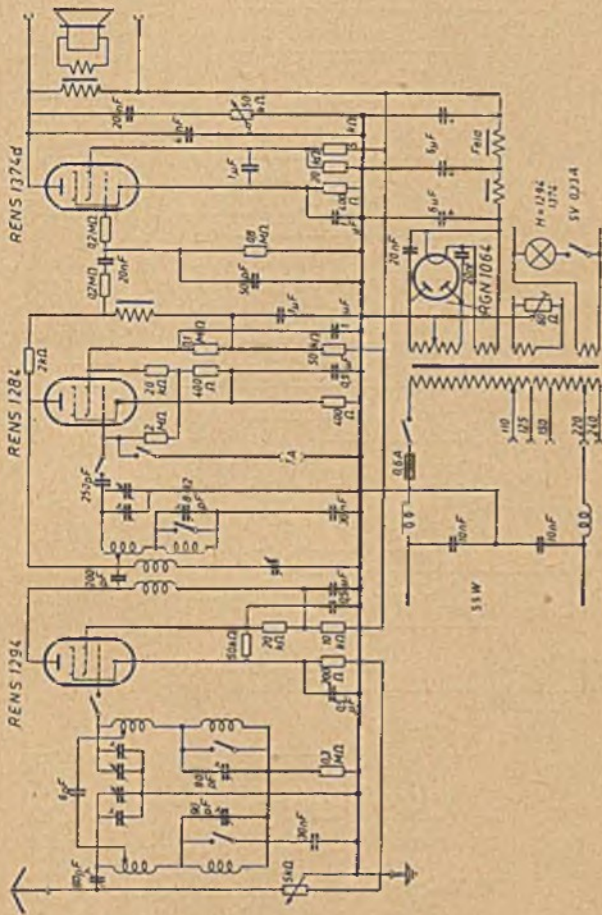


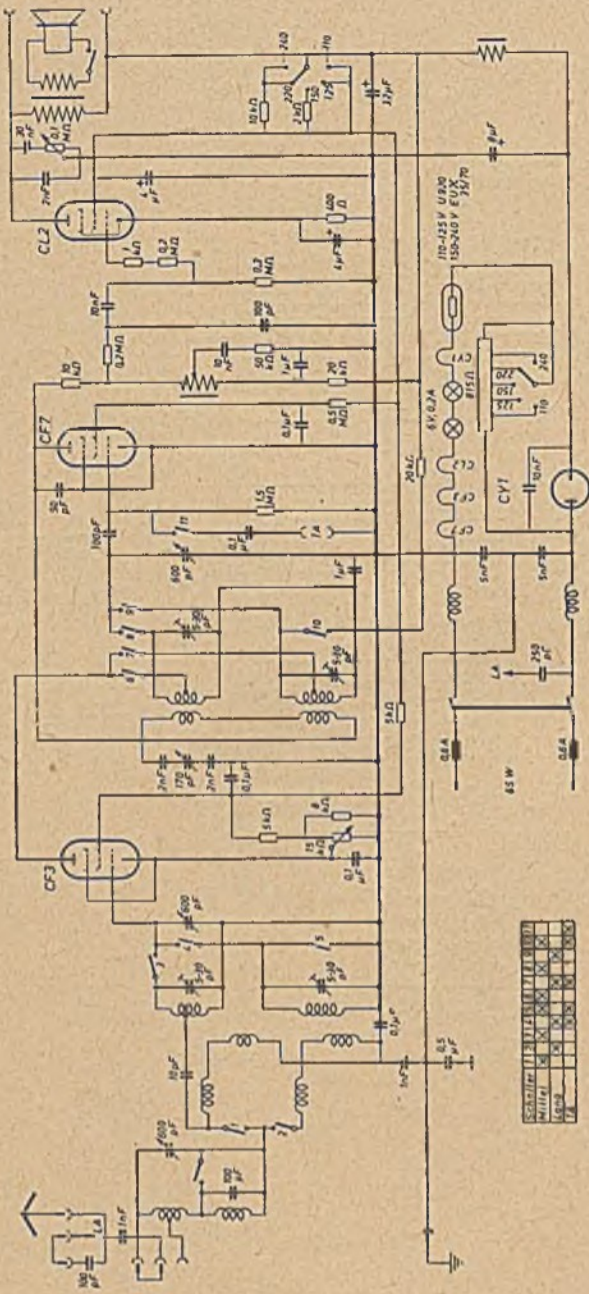




Schalter Nr. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

18-55m	X	X	X	X	X	X	X	X	X	X	X	X	X	X
200-600m	X	X	X	X	X	X	X	X	X	X	X	X	X	X
700-2000m	X	X	X	X	X	X	X	X	X	X	X	X	X	X
T0	X	X	X	X	X	X	X	X	X	X	X	X	X	X

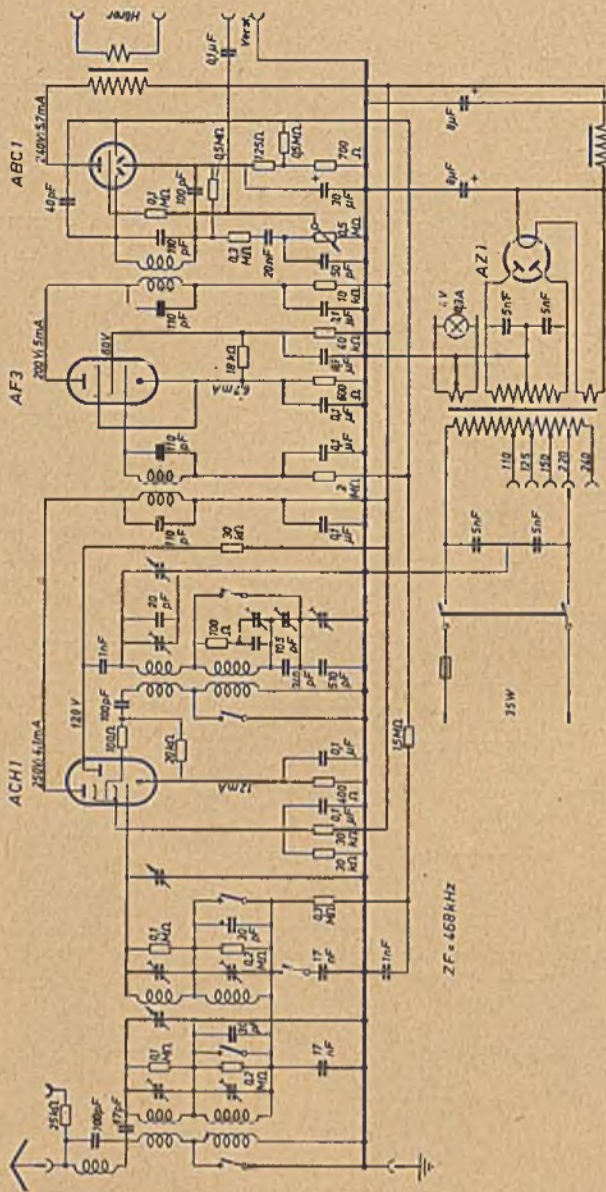




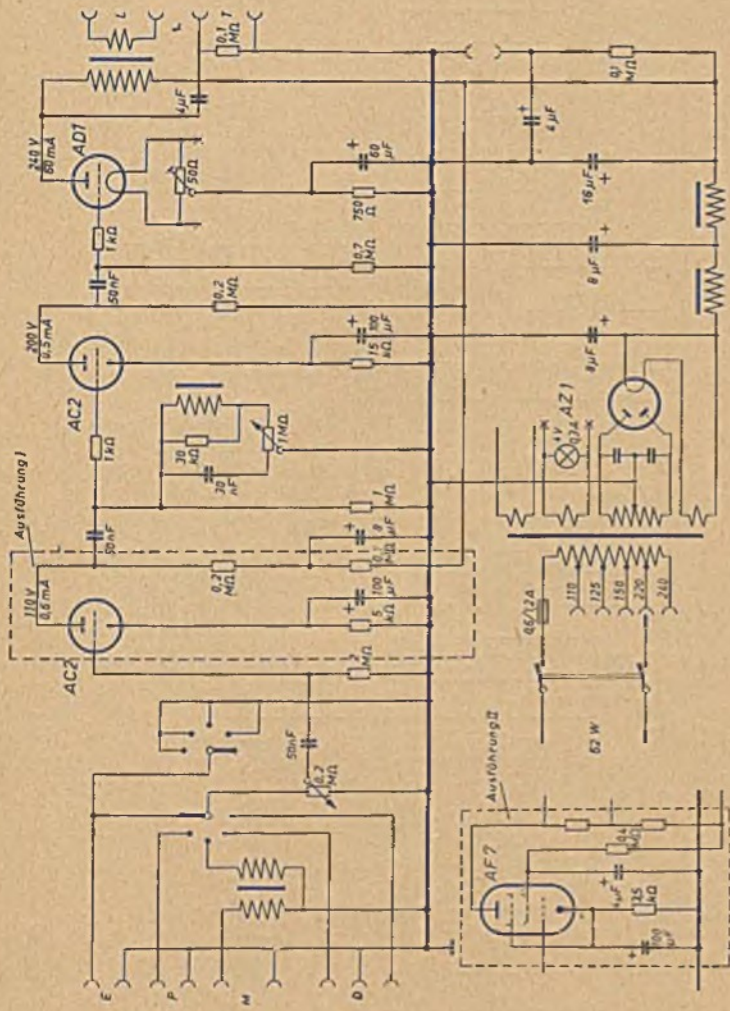


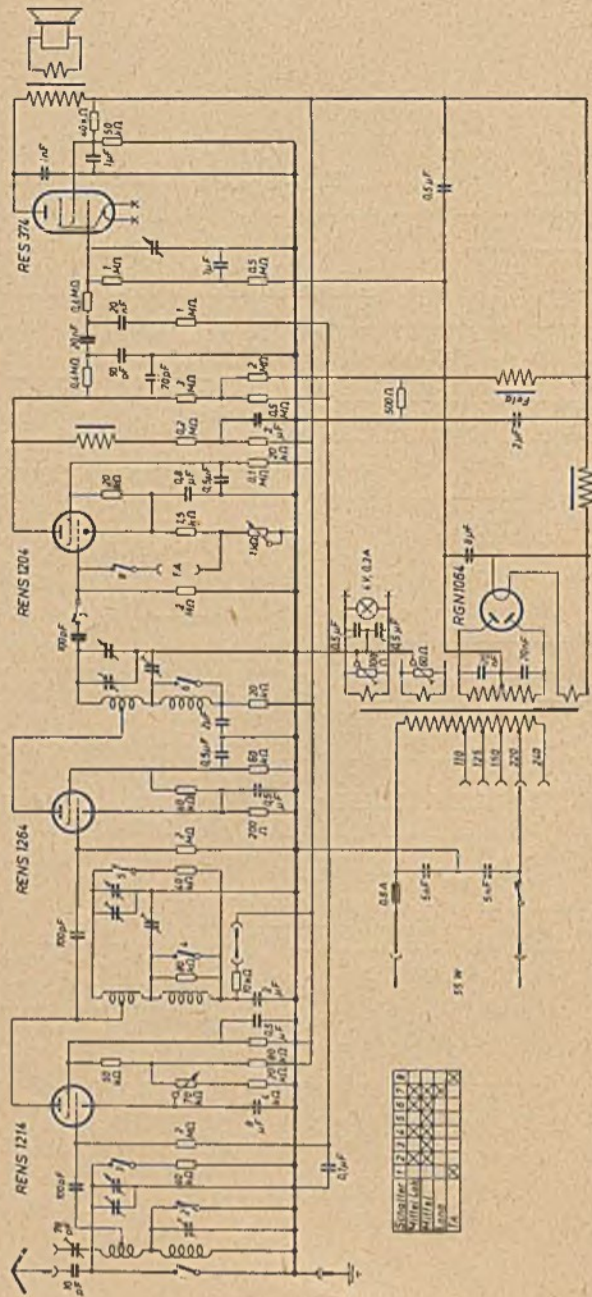


# Lorenz Kurmark-Empfänger

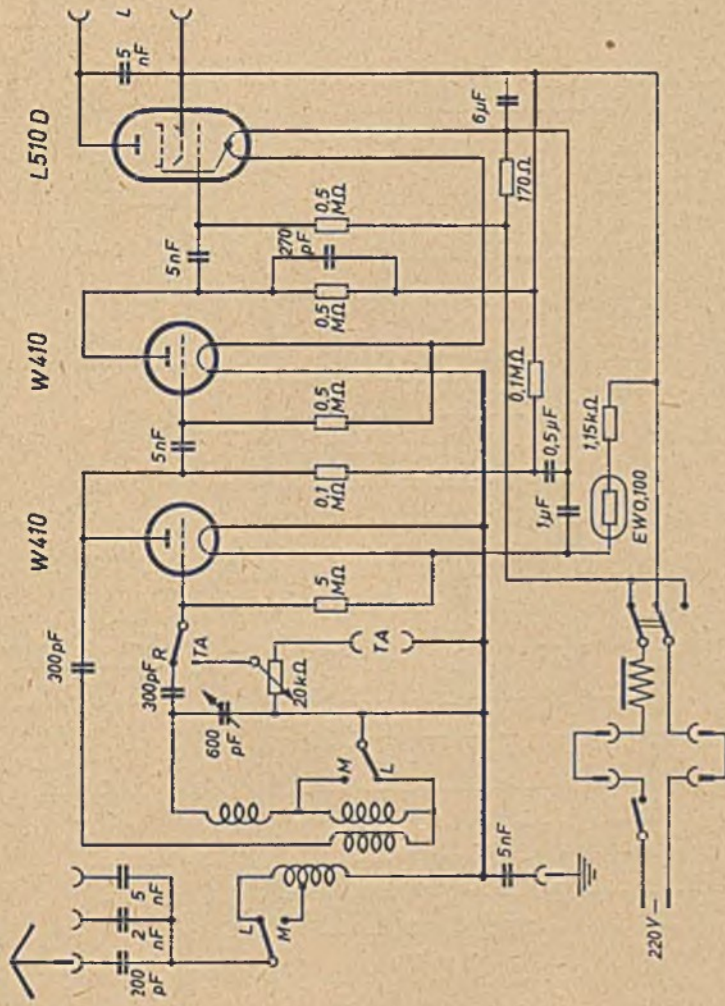


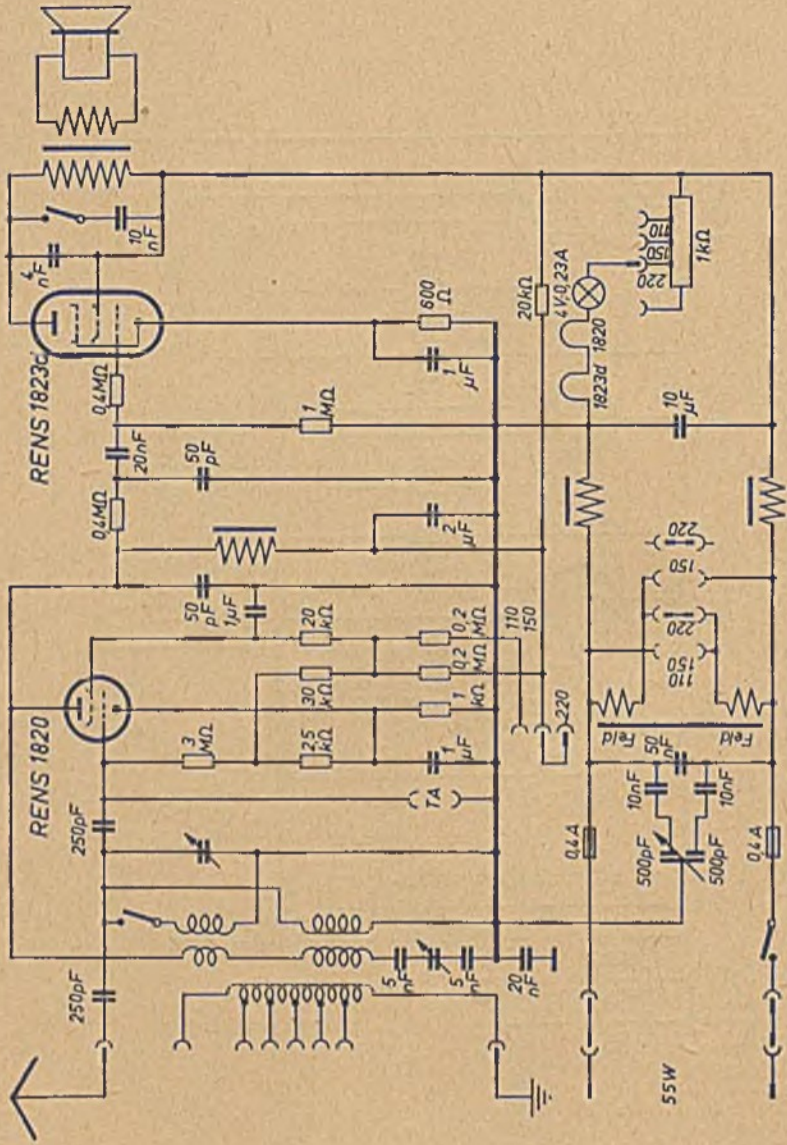
# Lorenz Kurmark-Verstärker

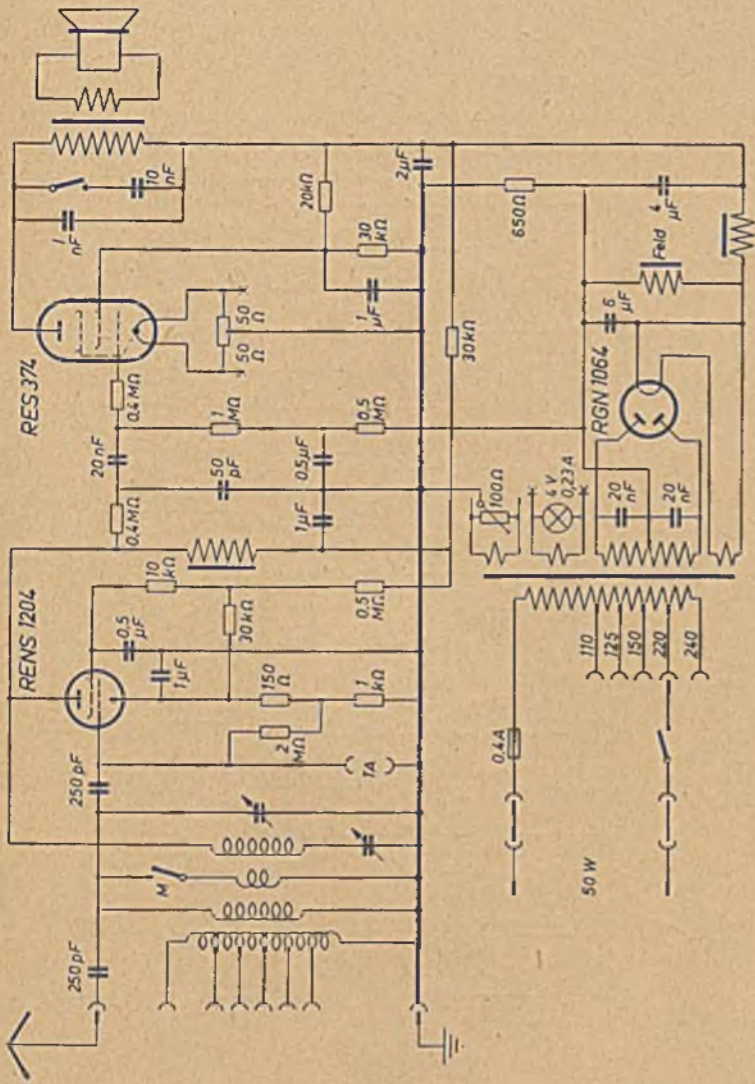




5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64



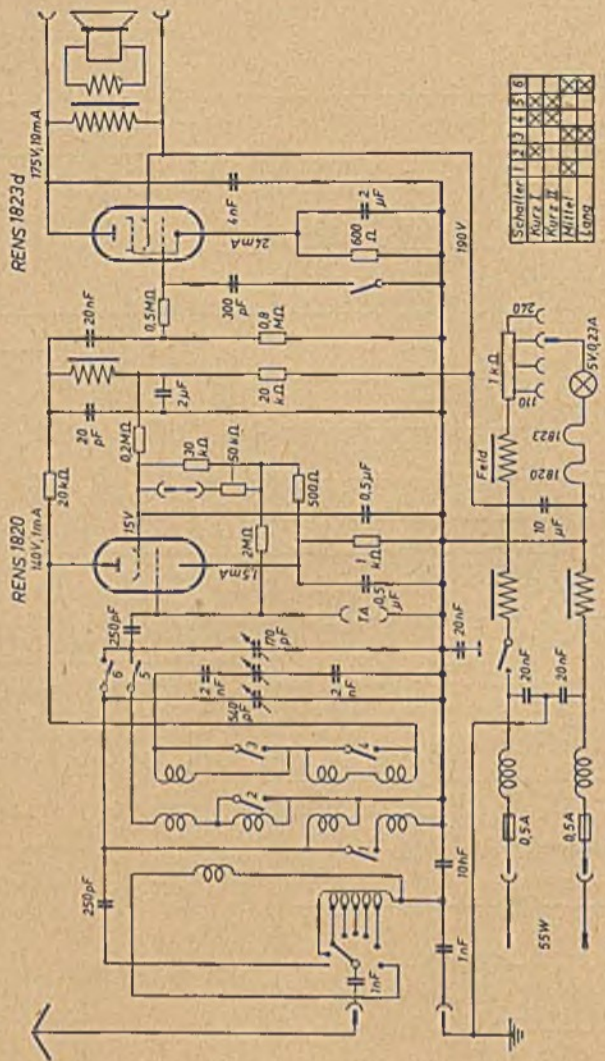


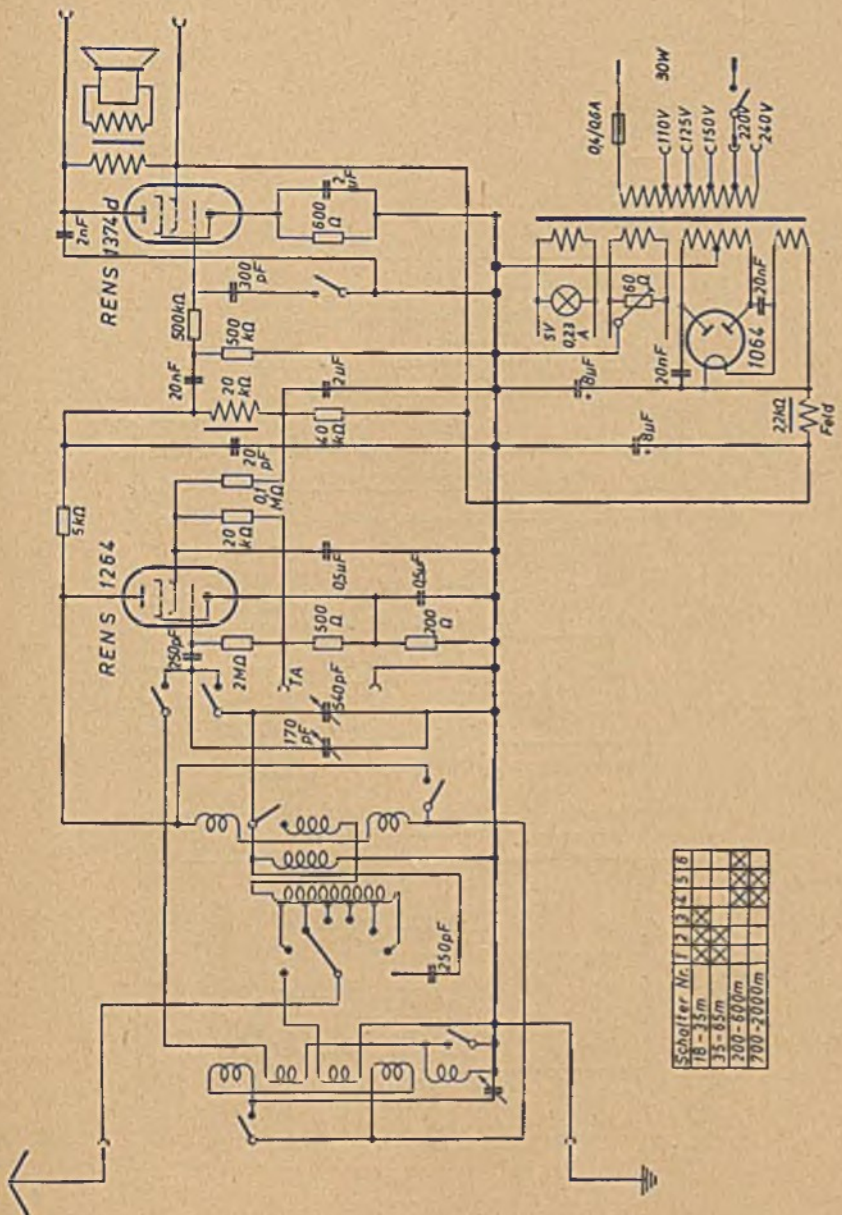


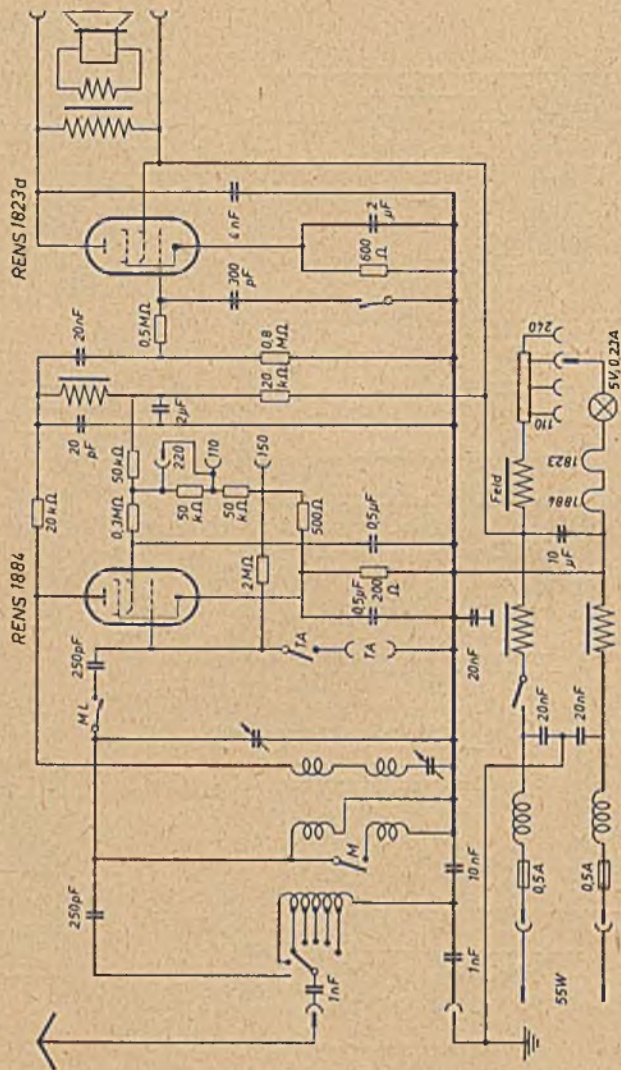


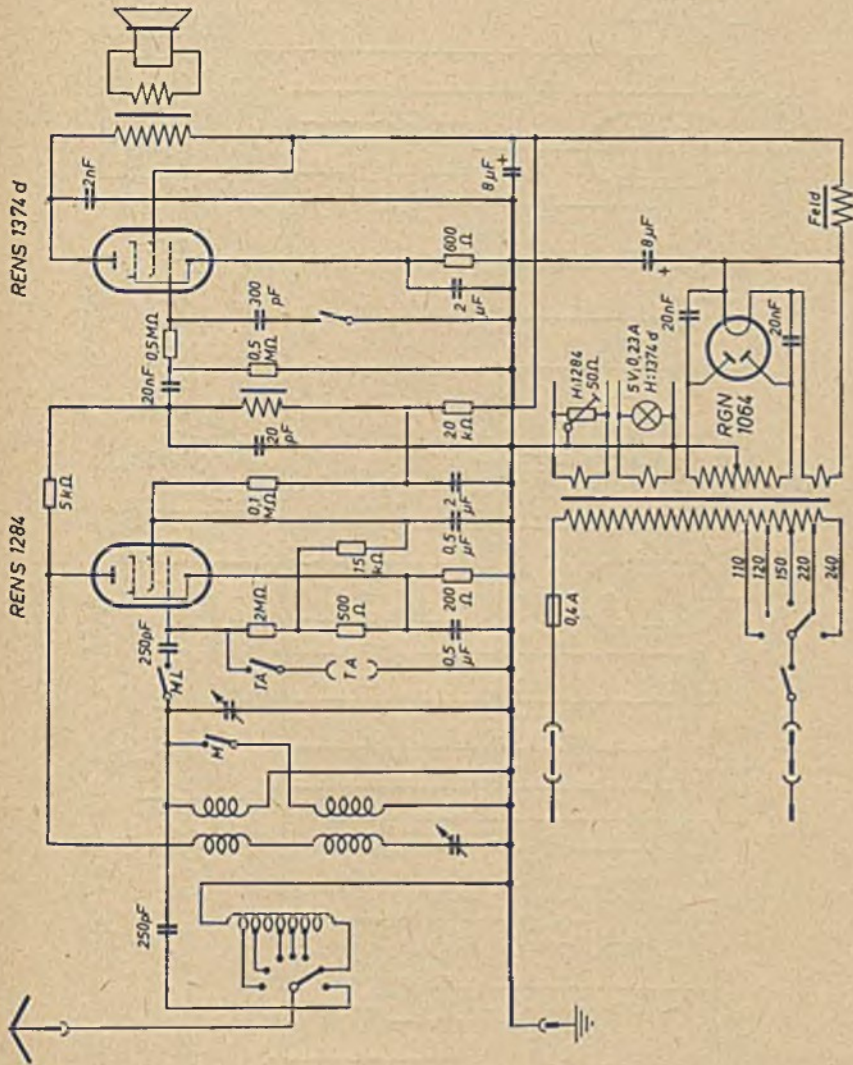


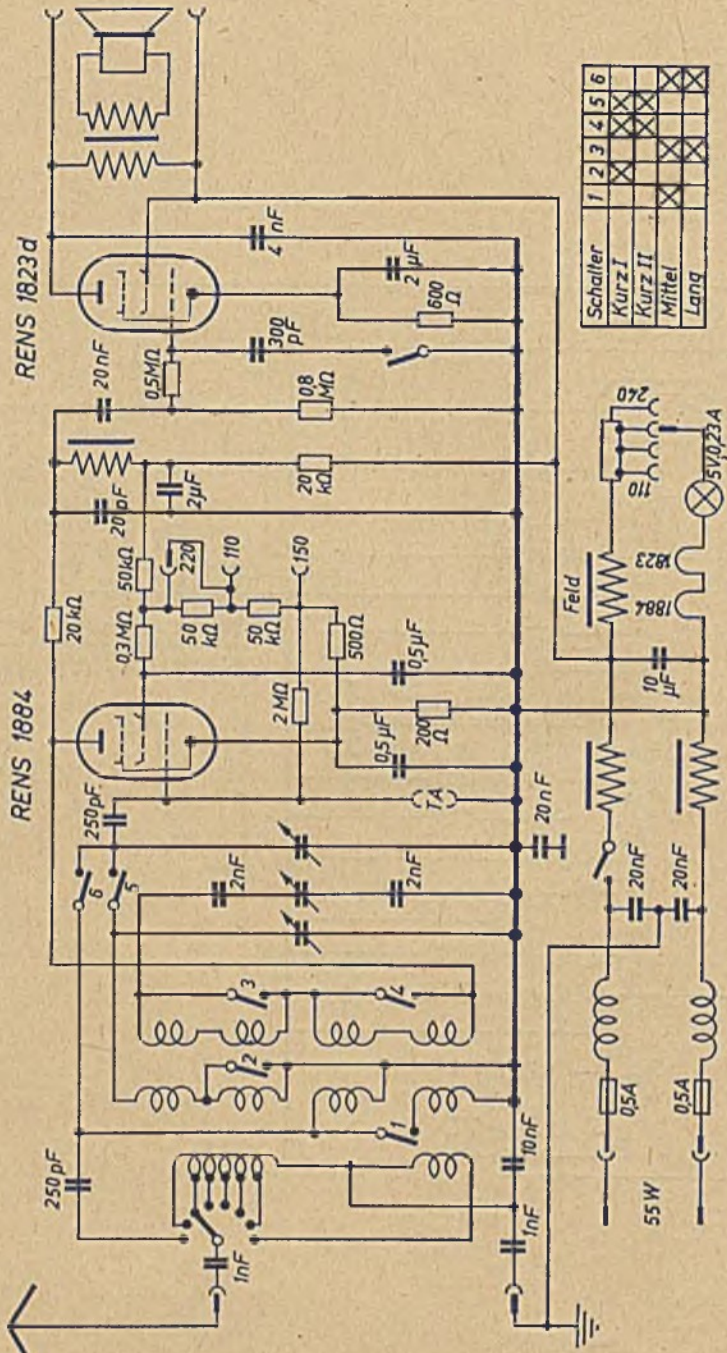




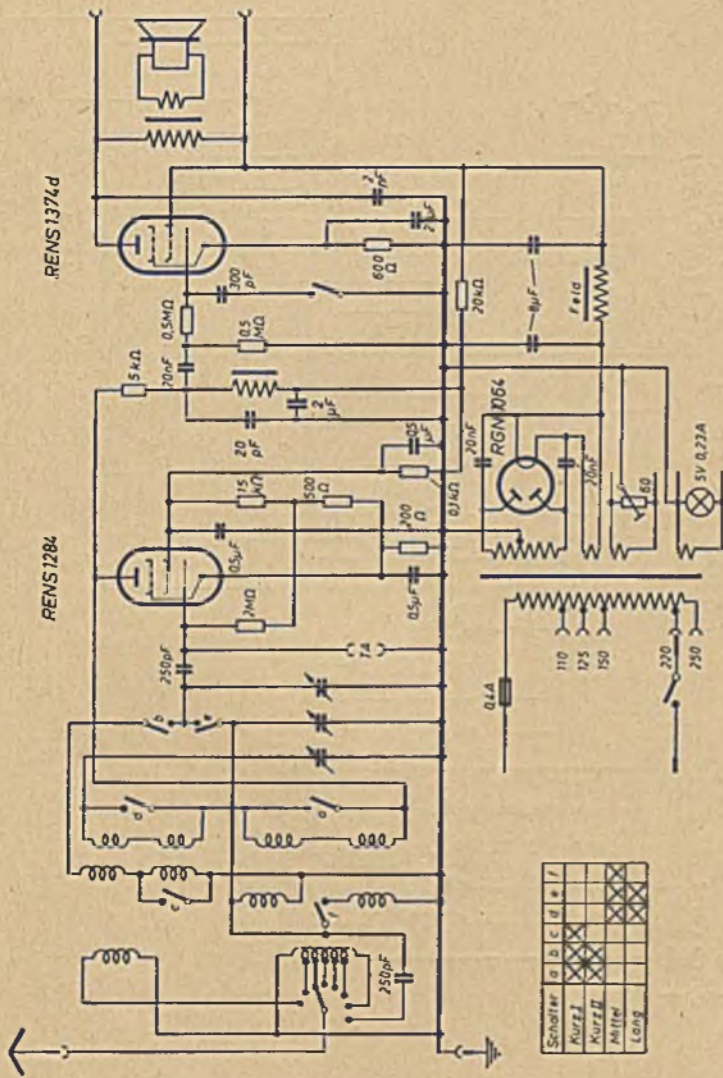


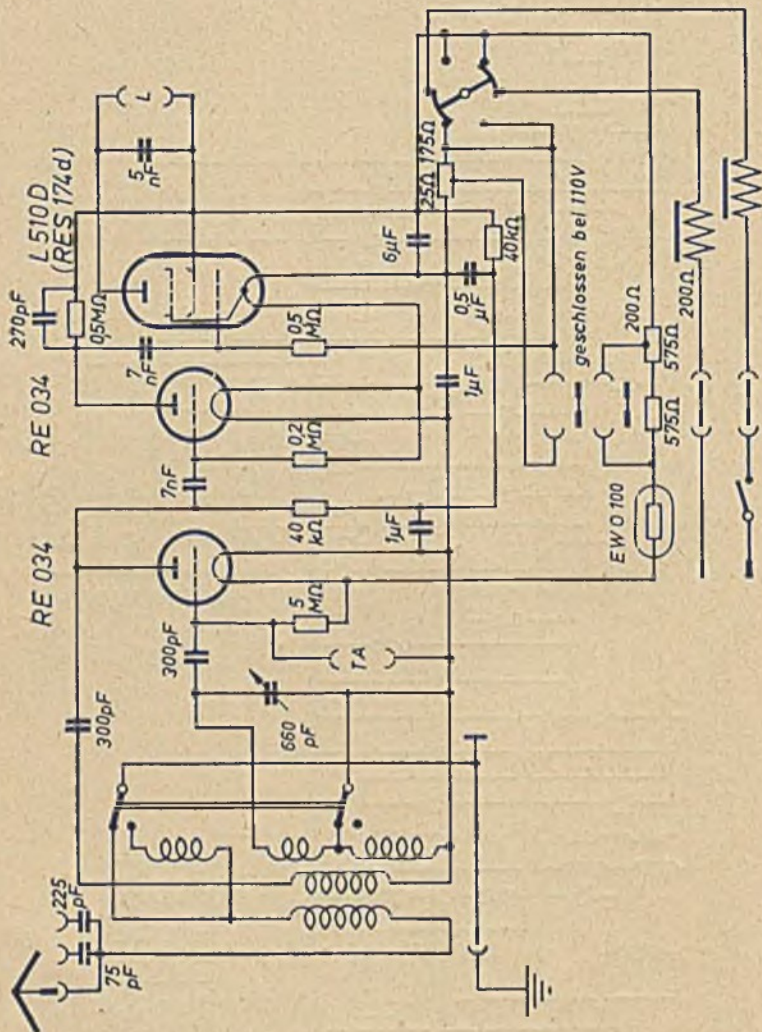




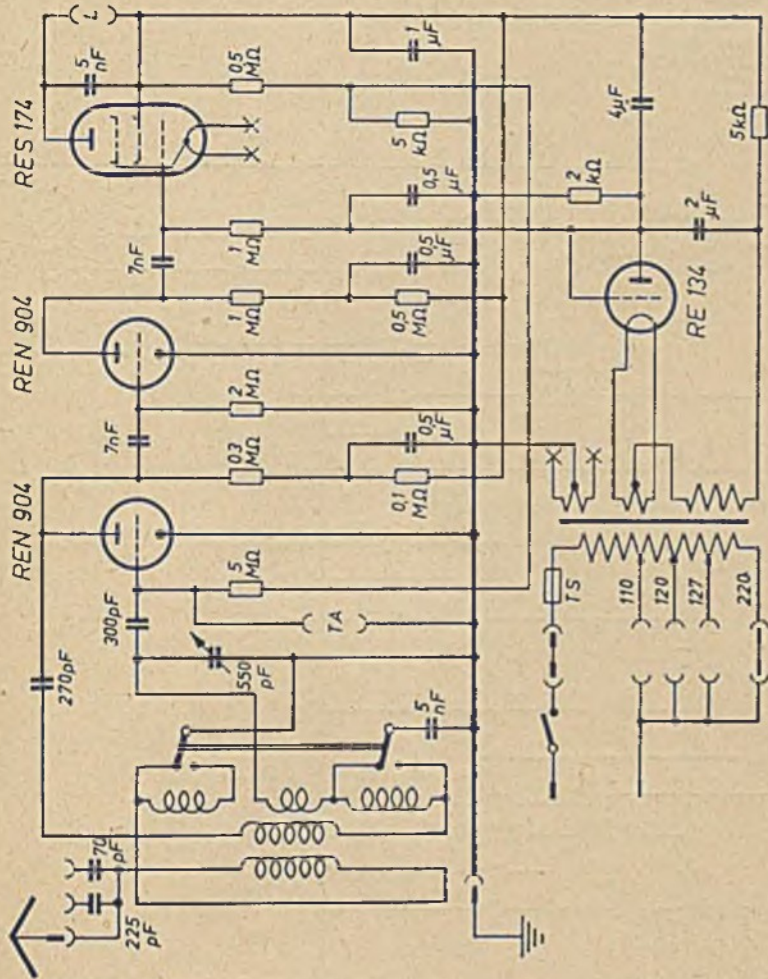


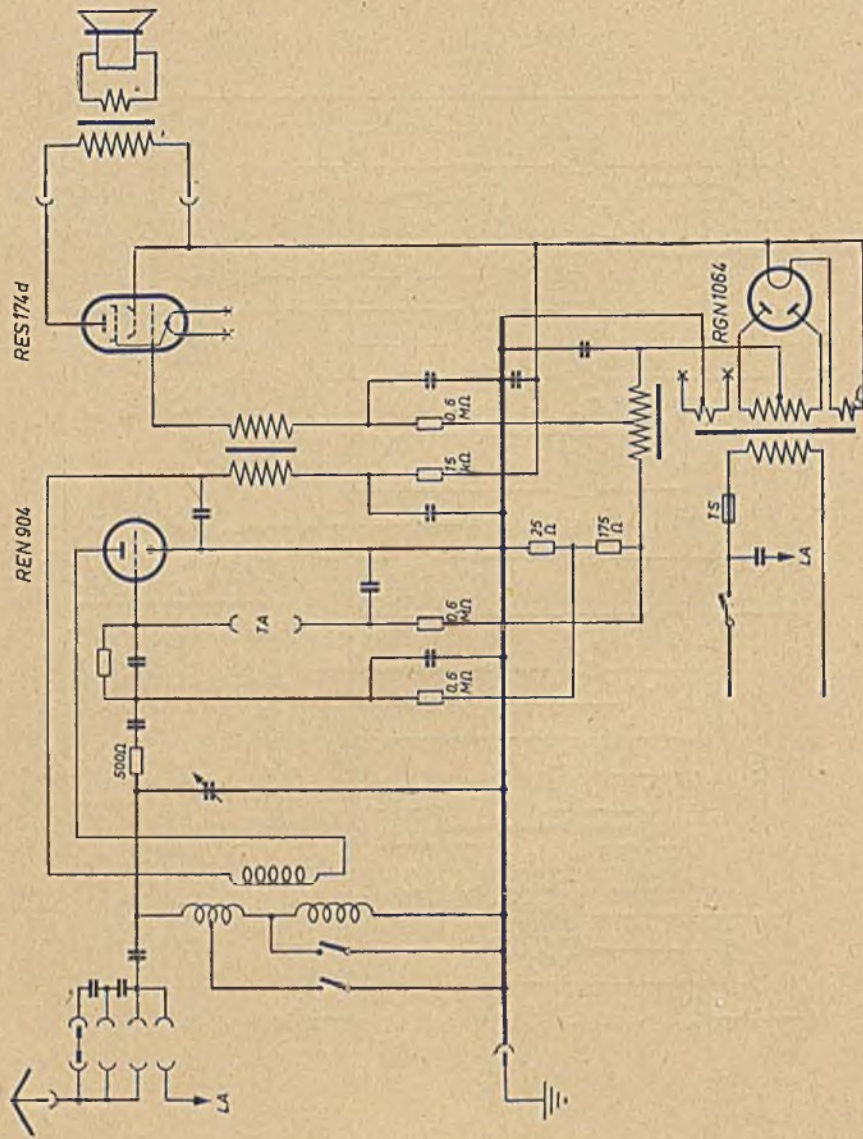
Schalter	1	2	3	4	5	6
Kurz I						
Kurz II						
Mittel						
Lang						





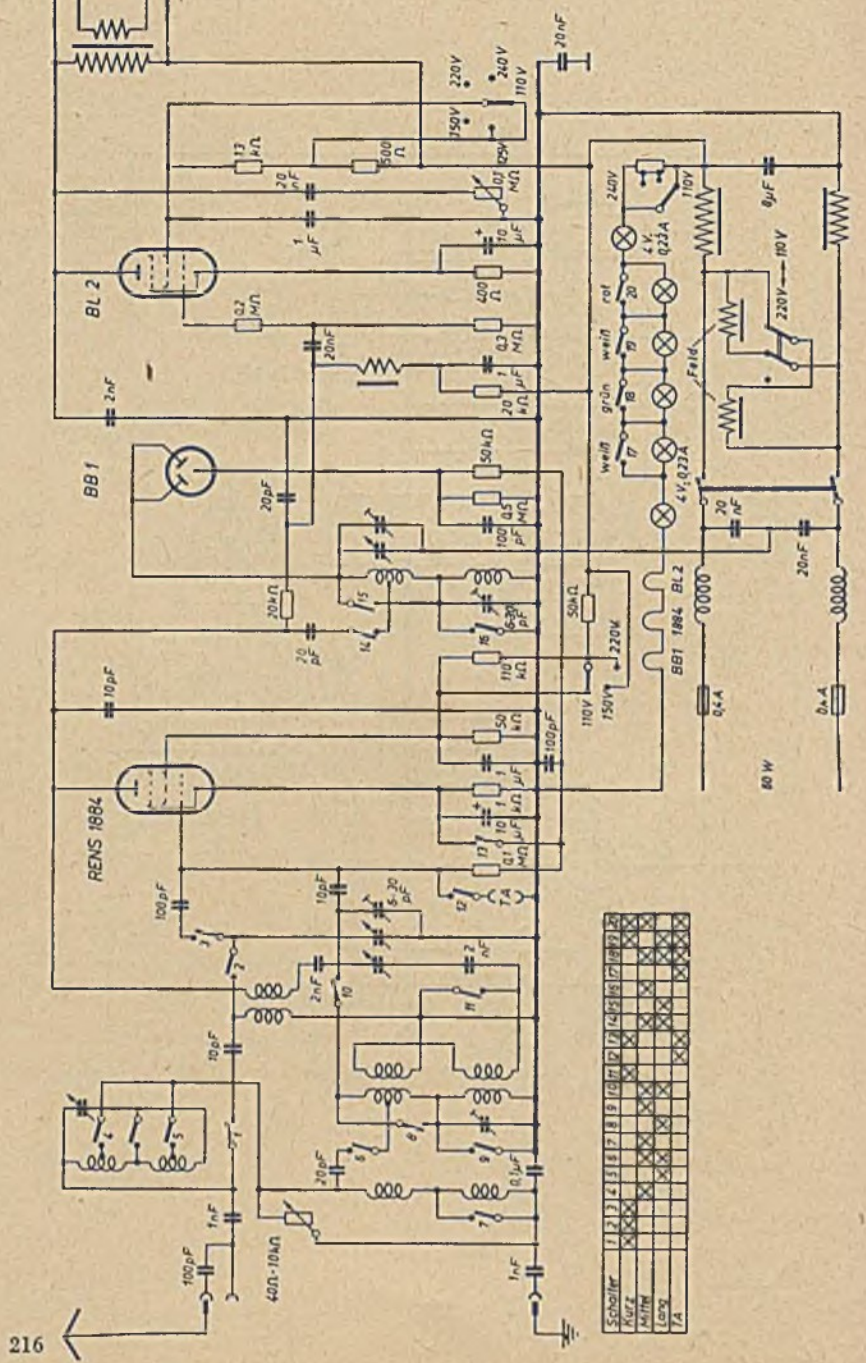






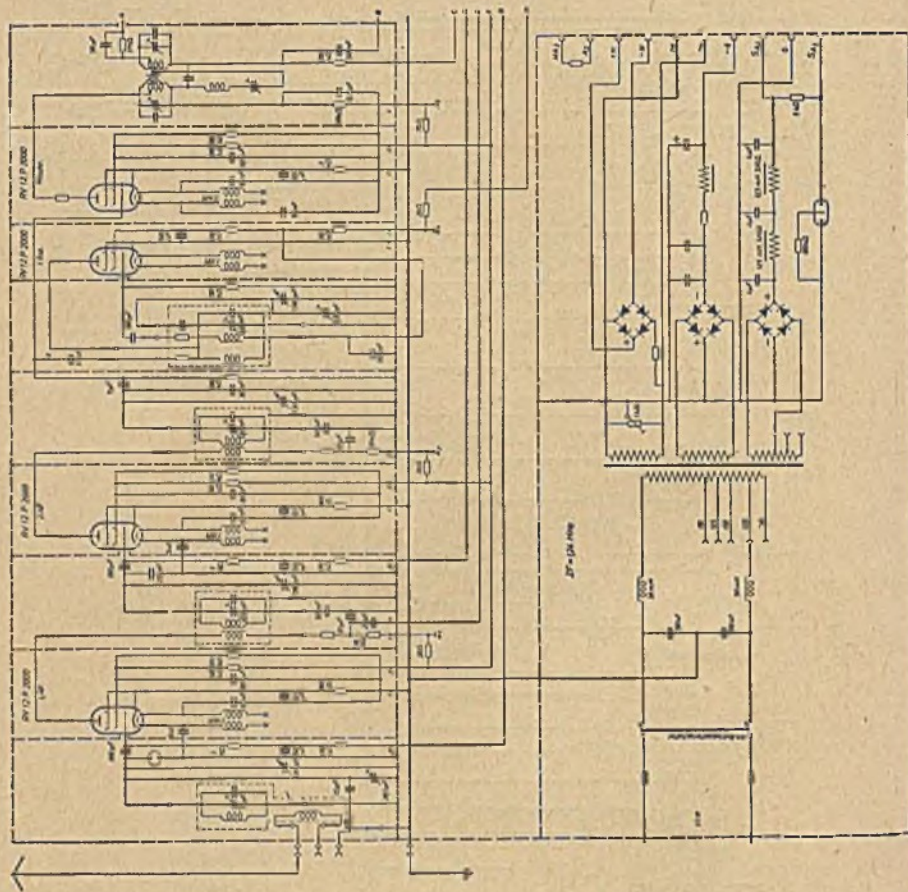


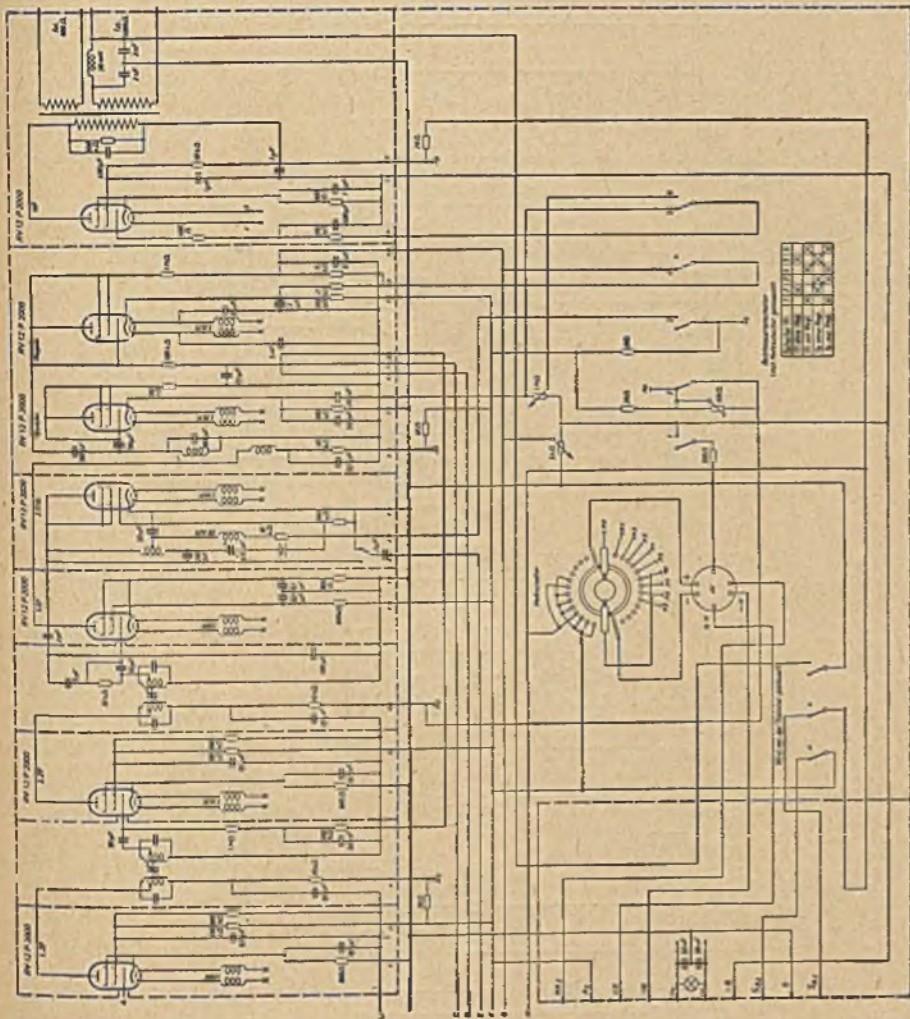
Lorenz Reflex KG



Schalter	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Kopf	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Mittel	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Länge	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
T.A.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

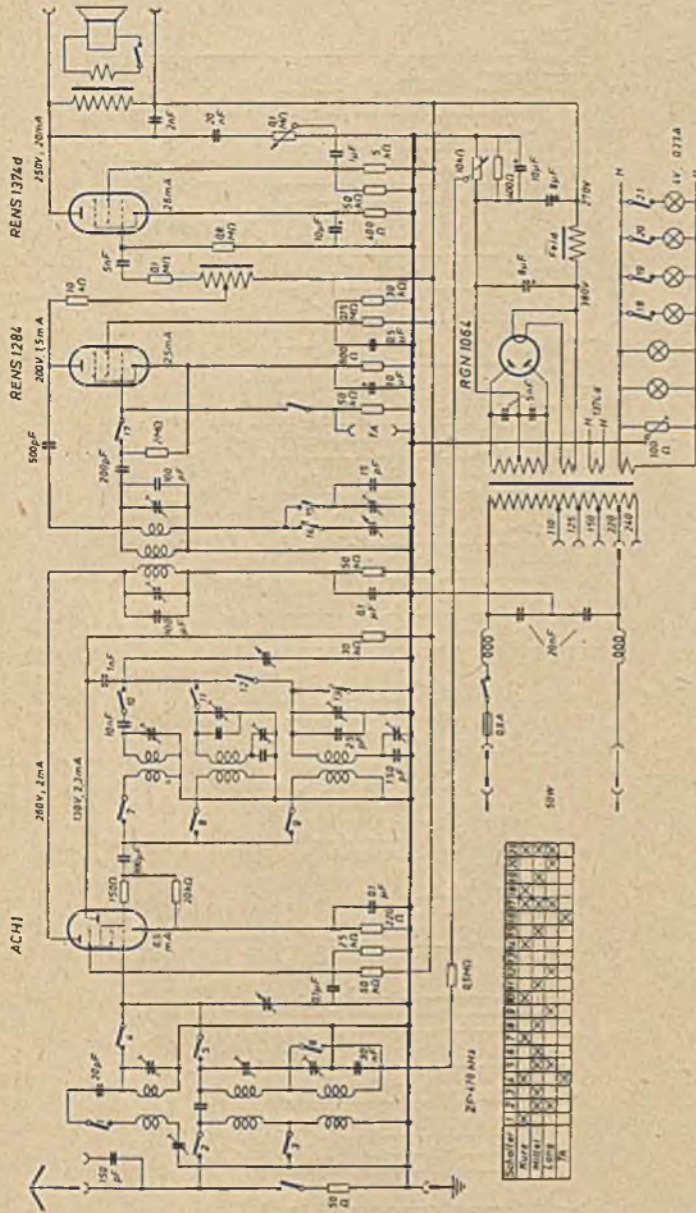




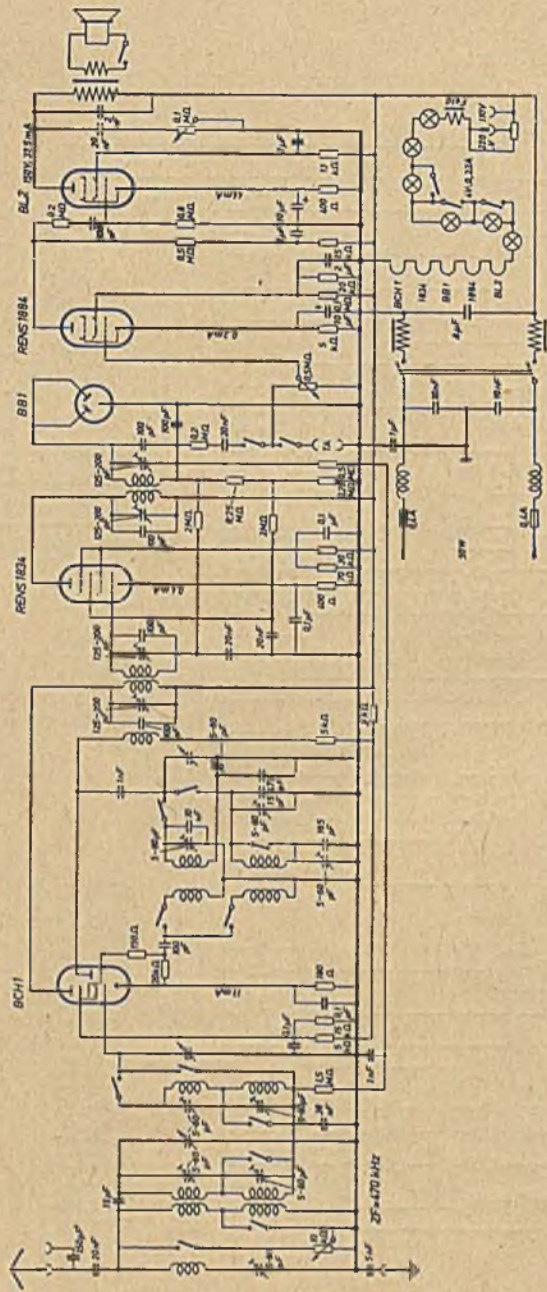


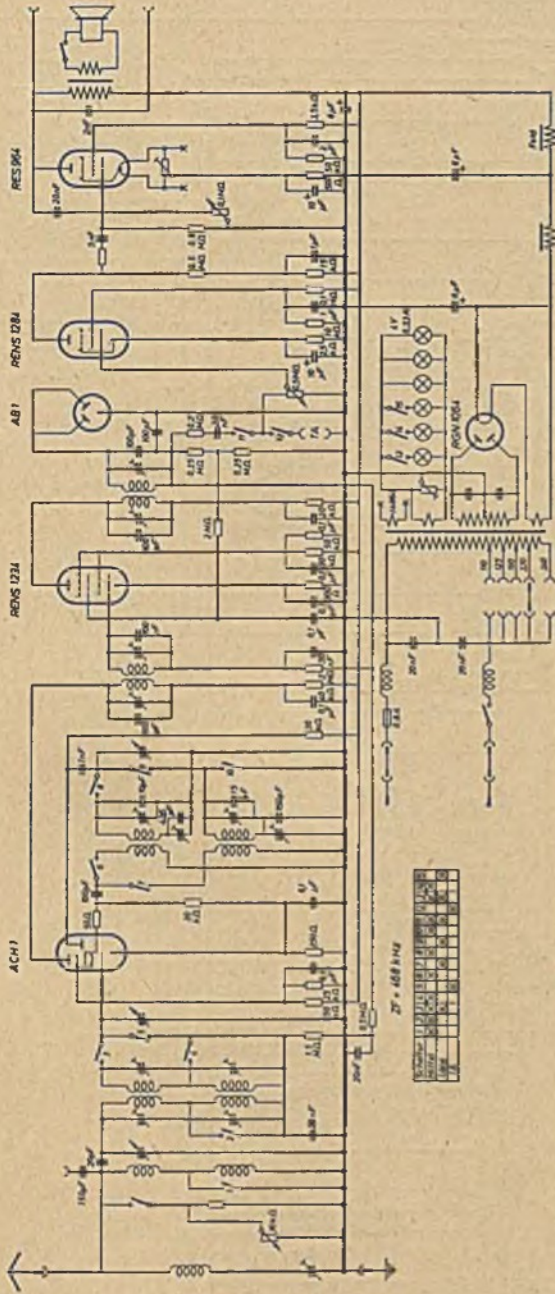




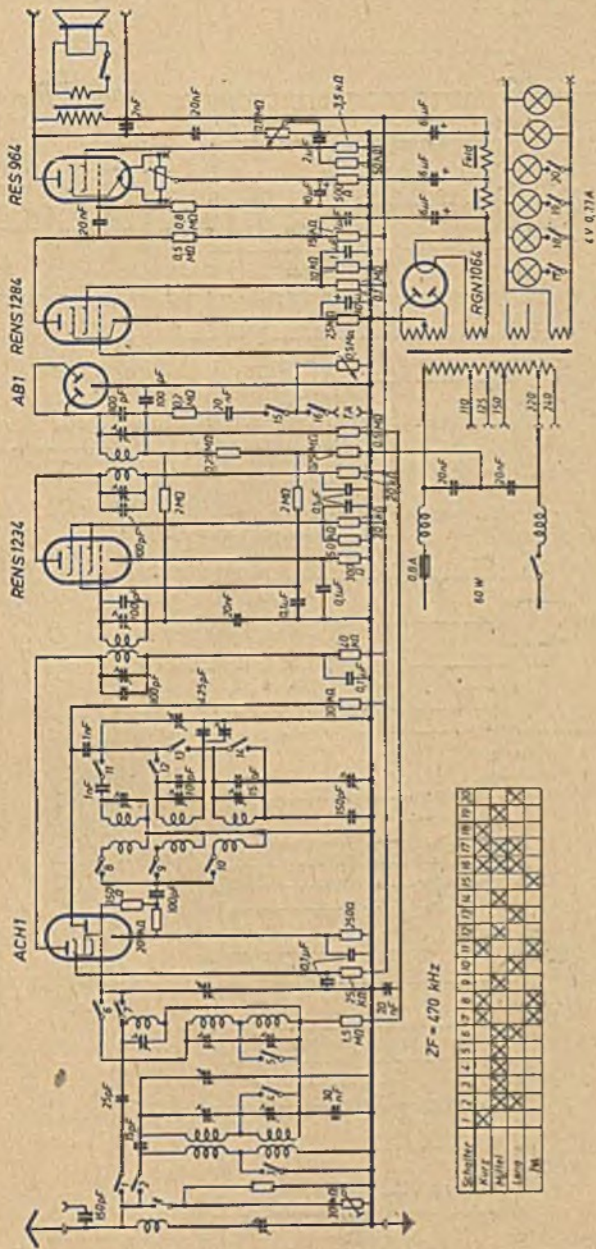


# Lorenz Supercelohet sen. G



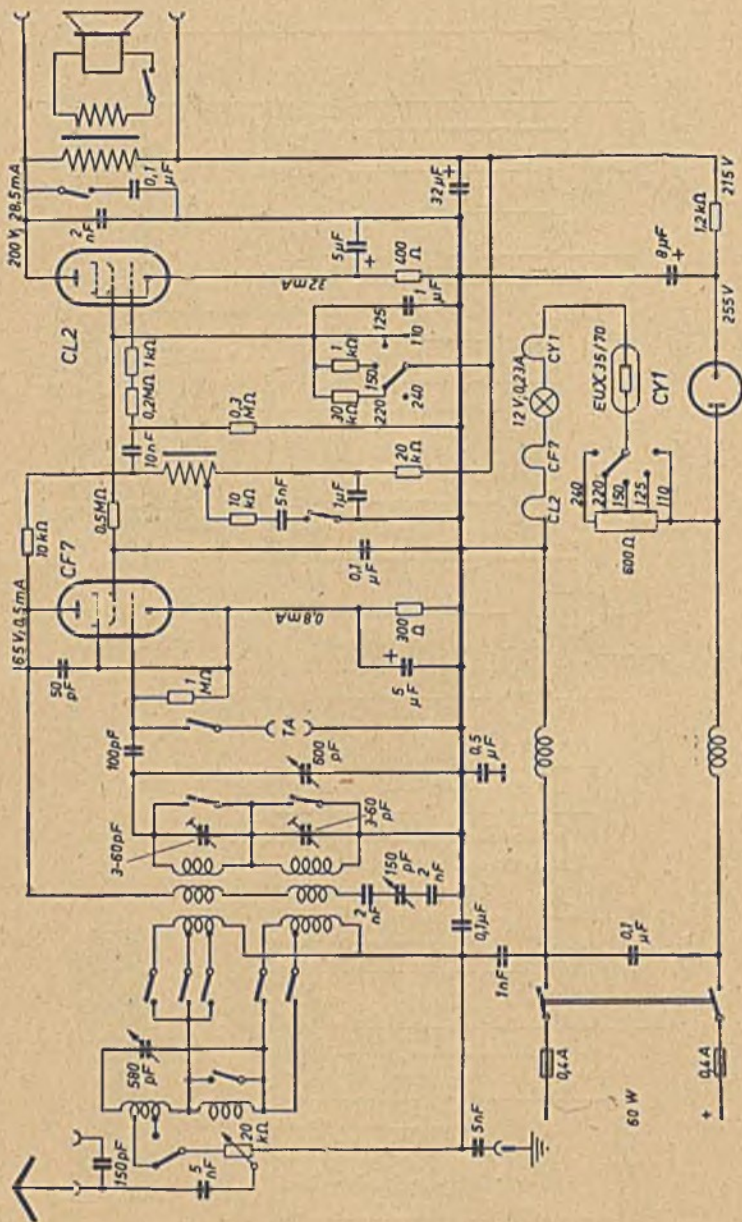




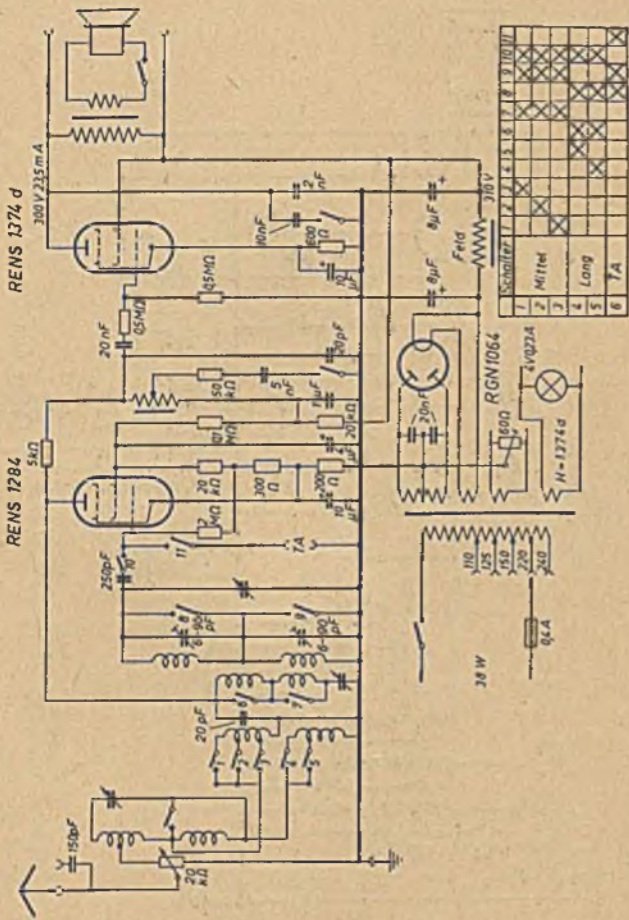








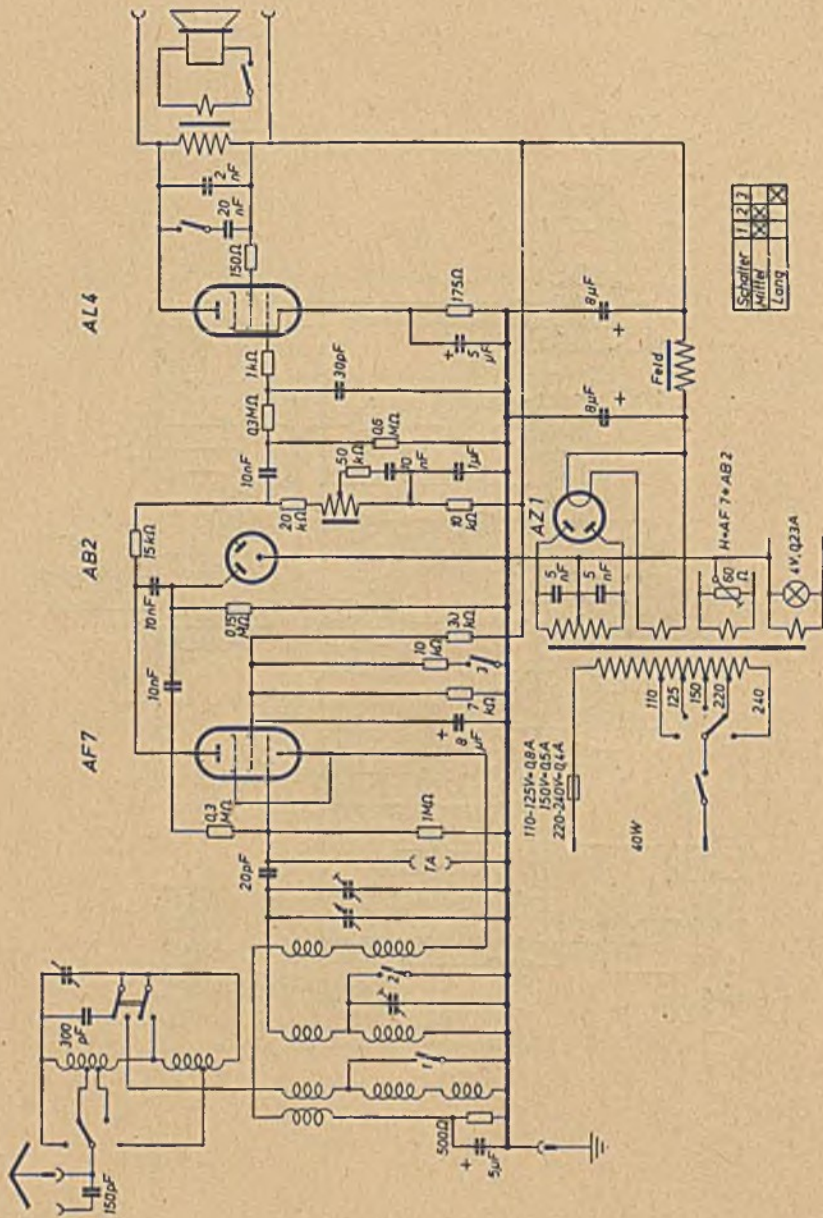


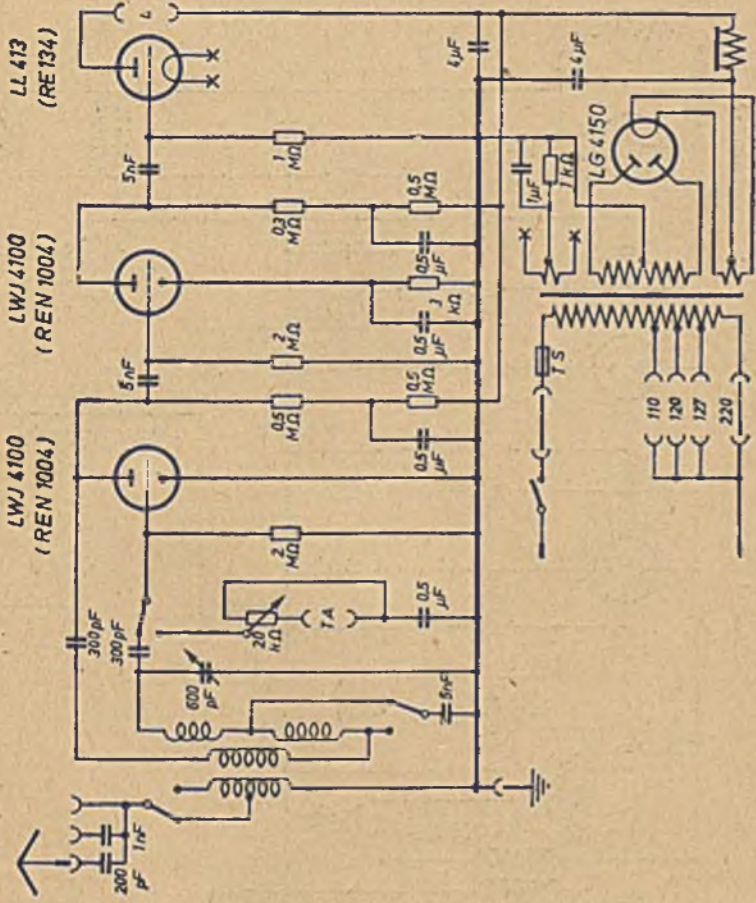


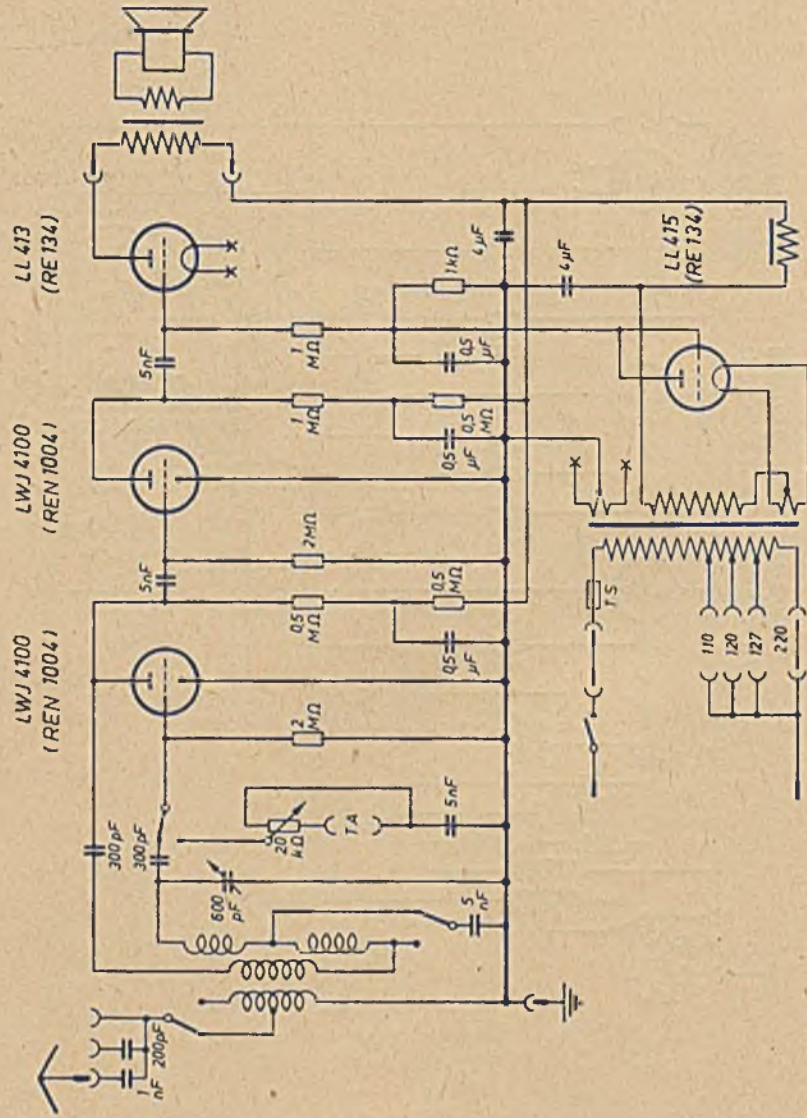


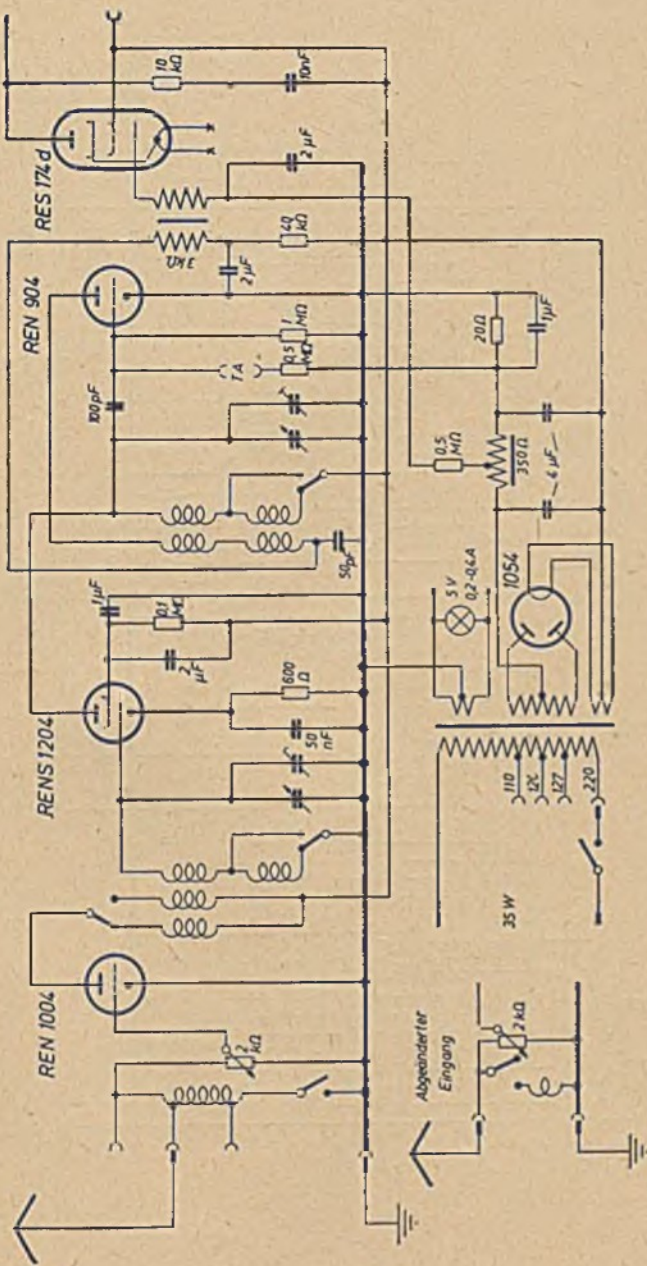


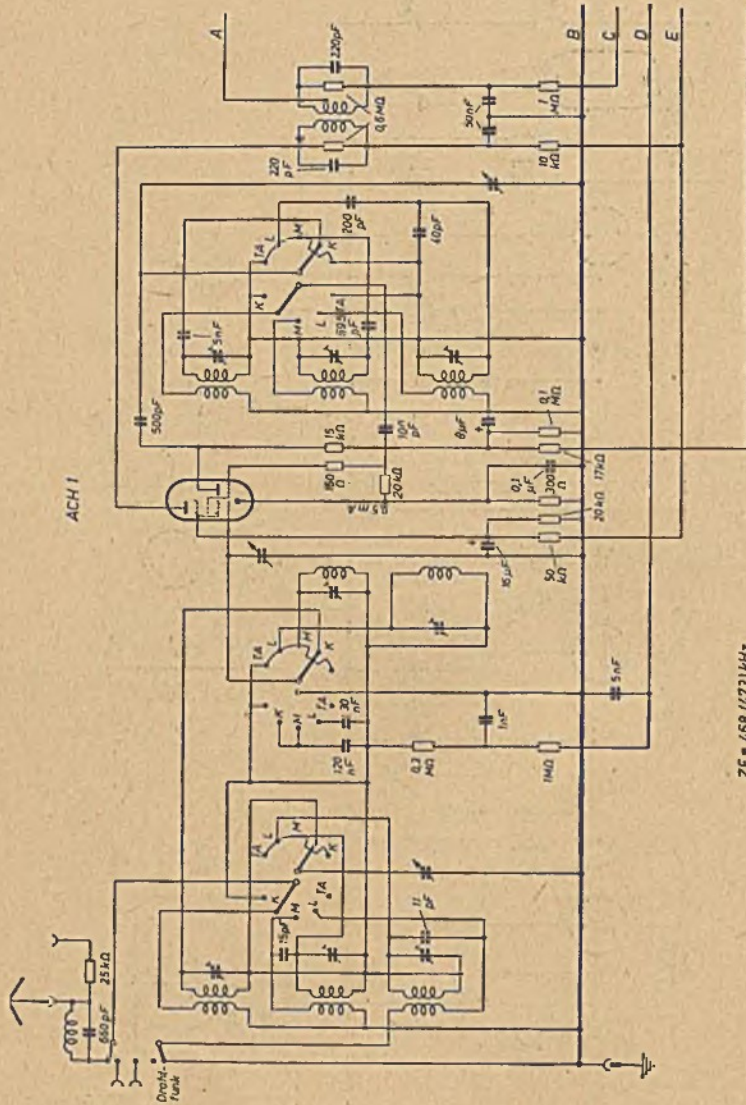
# Lorenz Tonmeister 36 W



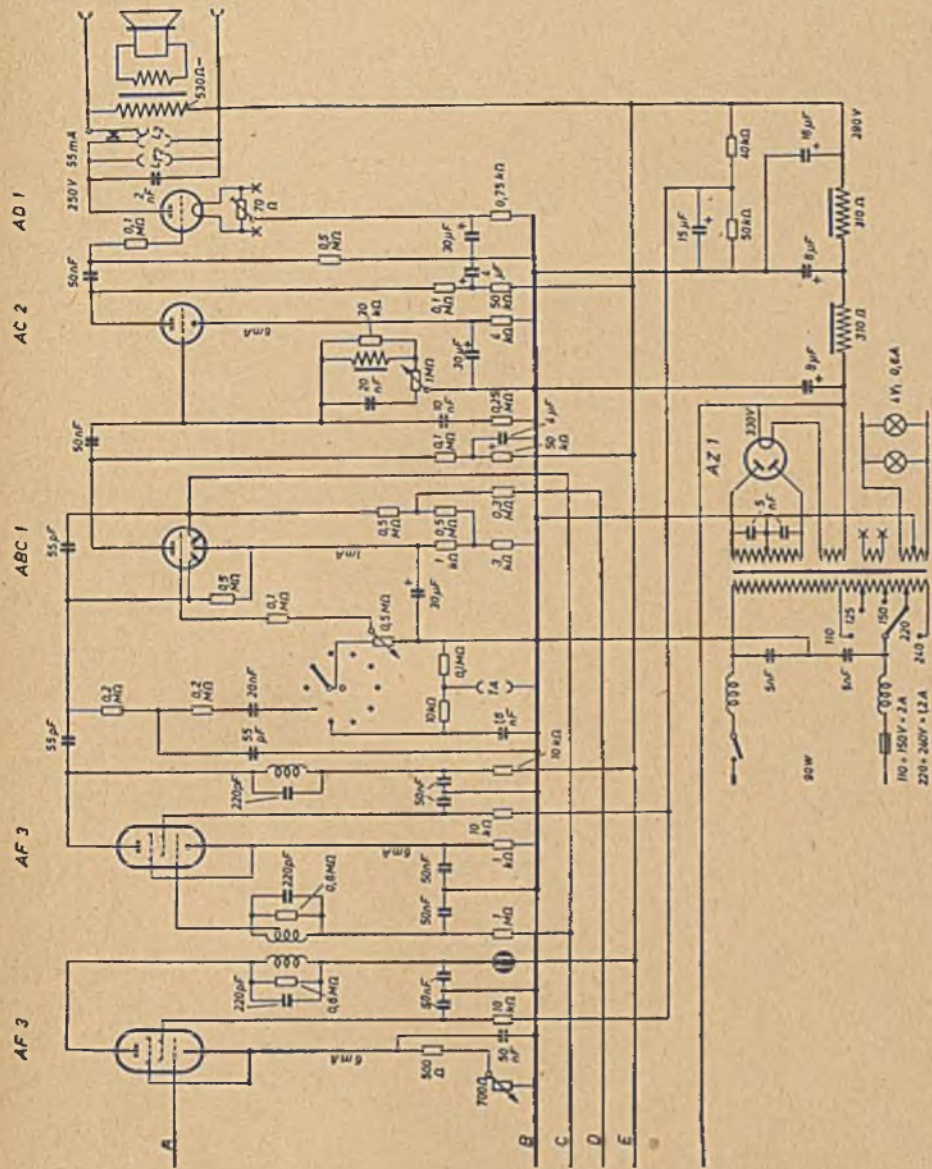


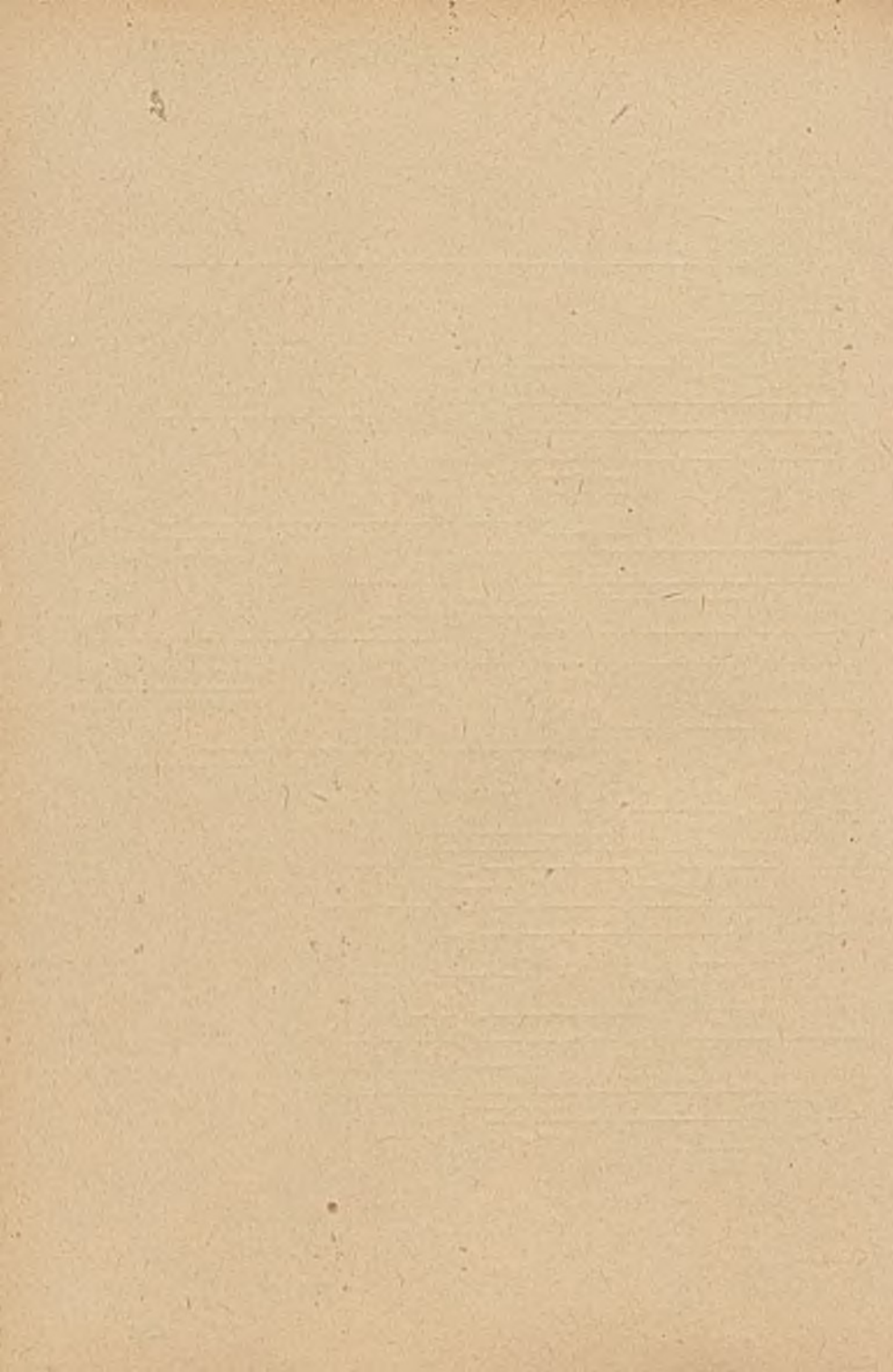






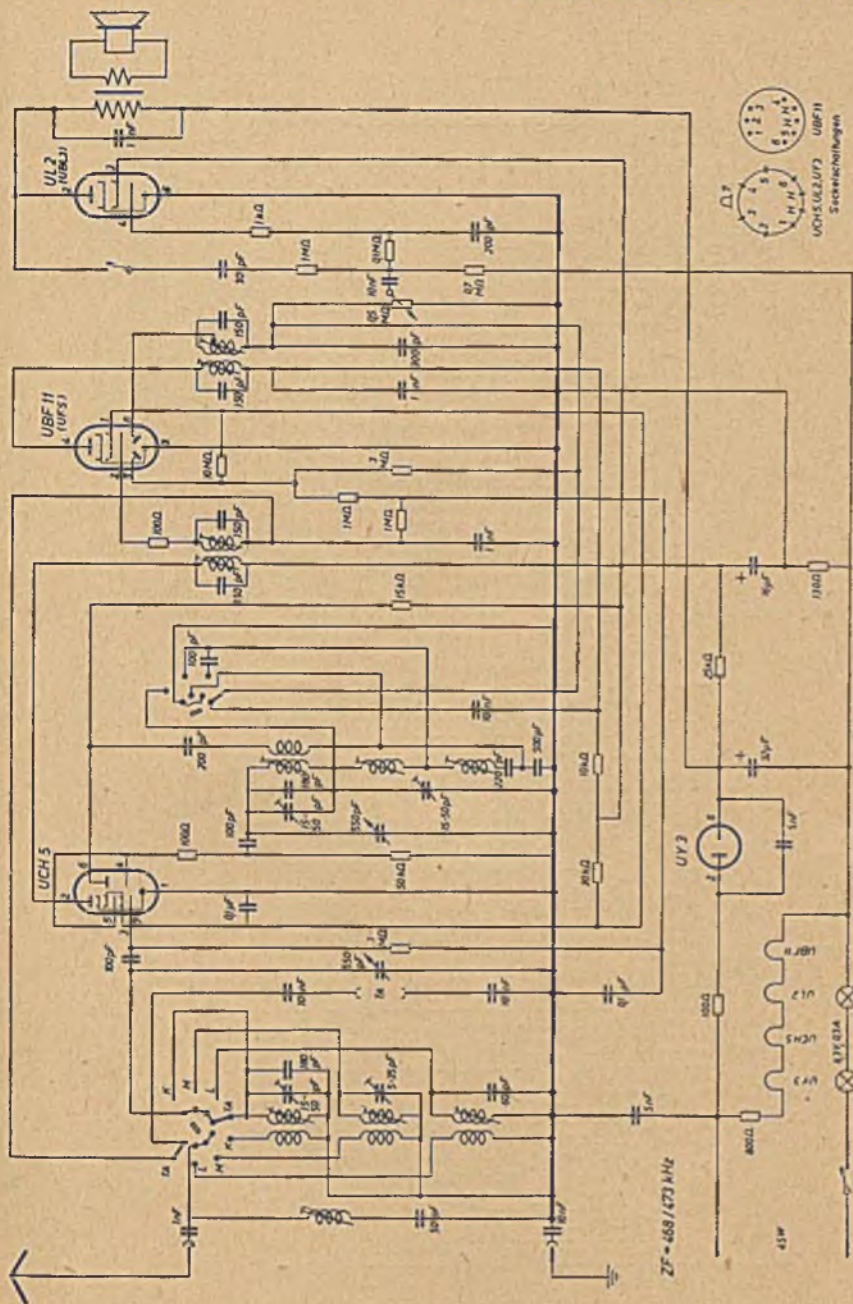




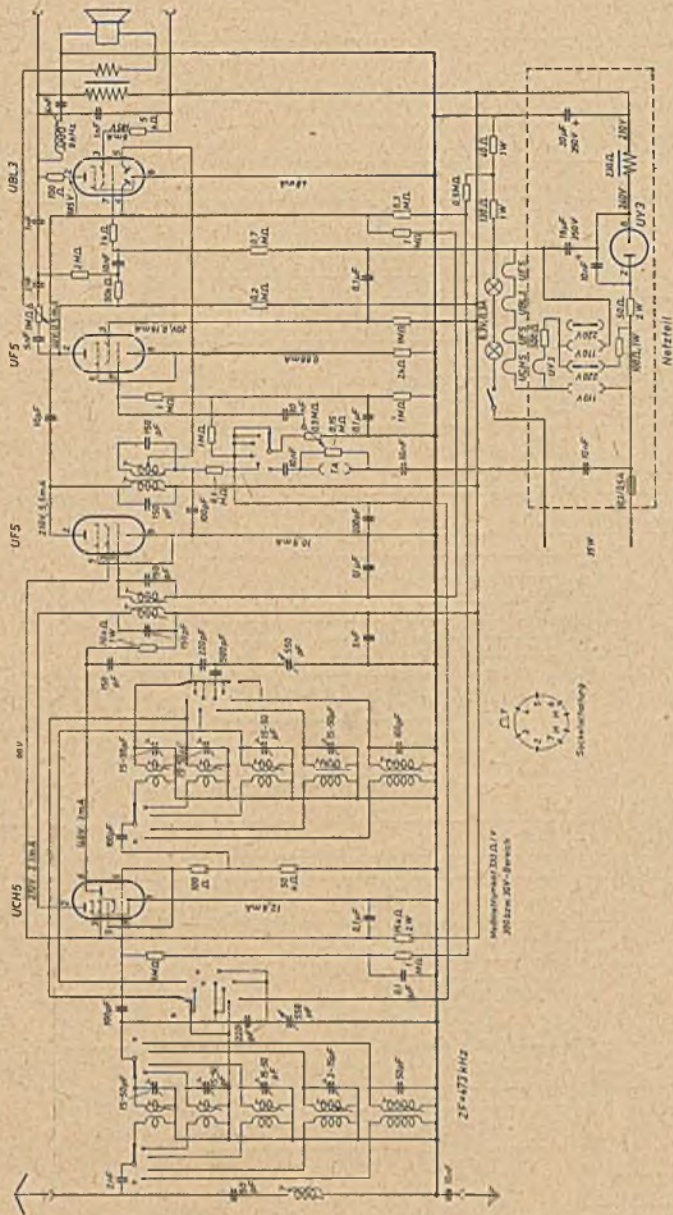


LTP

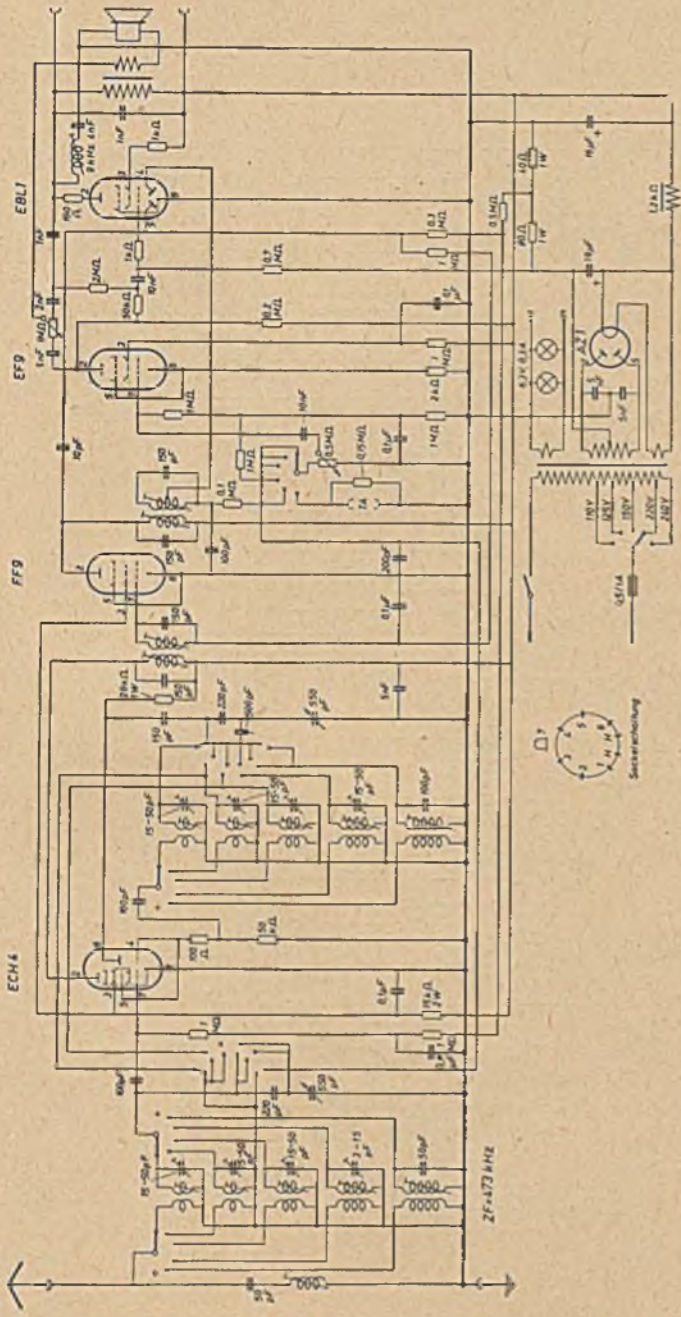




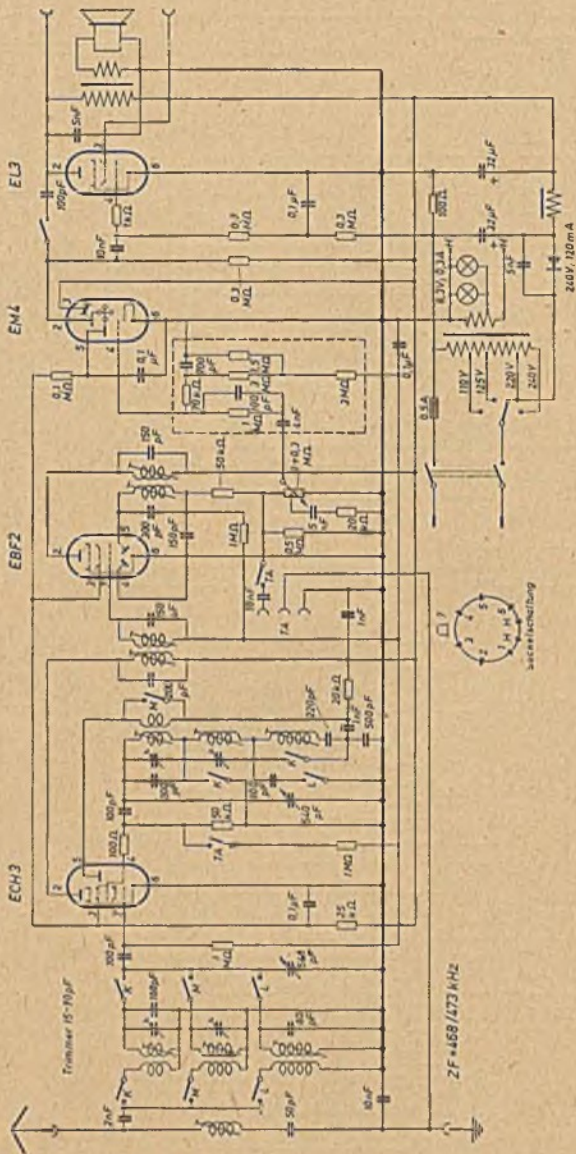
# LTP Zauberflöte 1 Su 4 AU



# LTP Zauberflöte 1 W



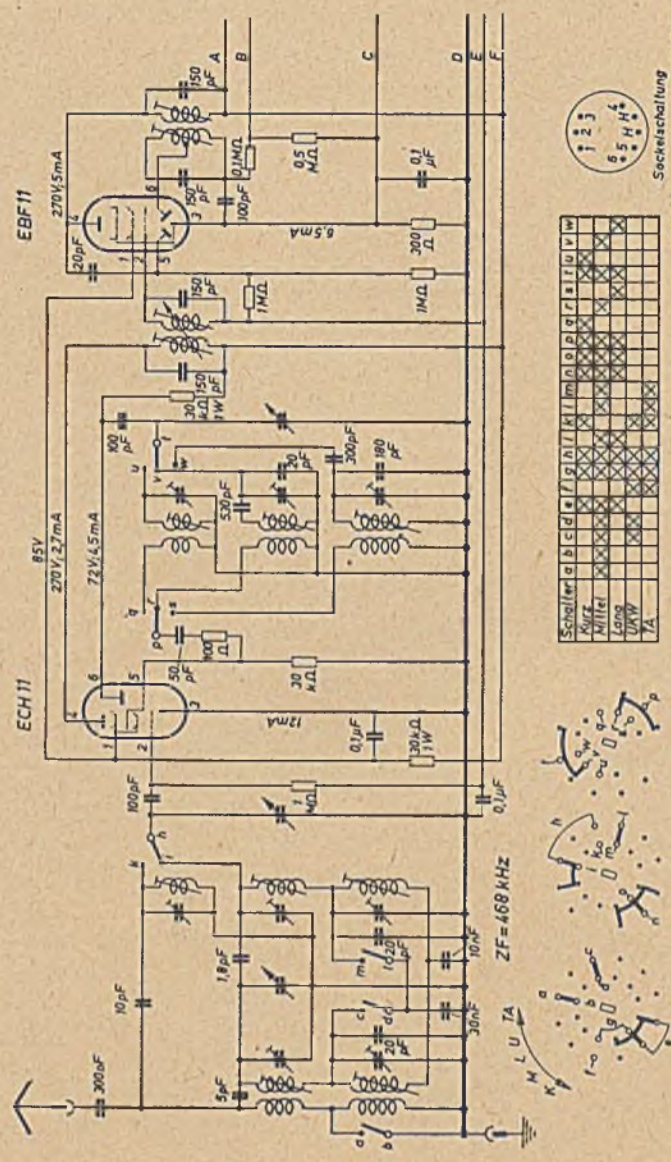
# LTP Zauberflöte 4c





LUMOPHON

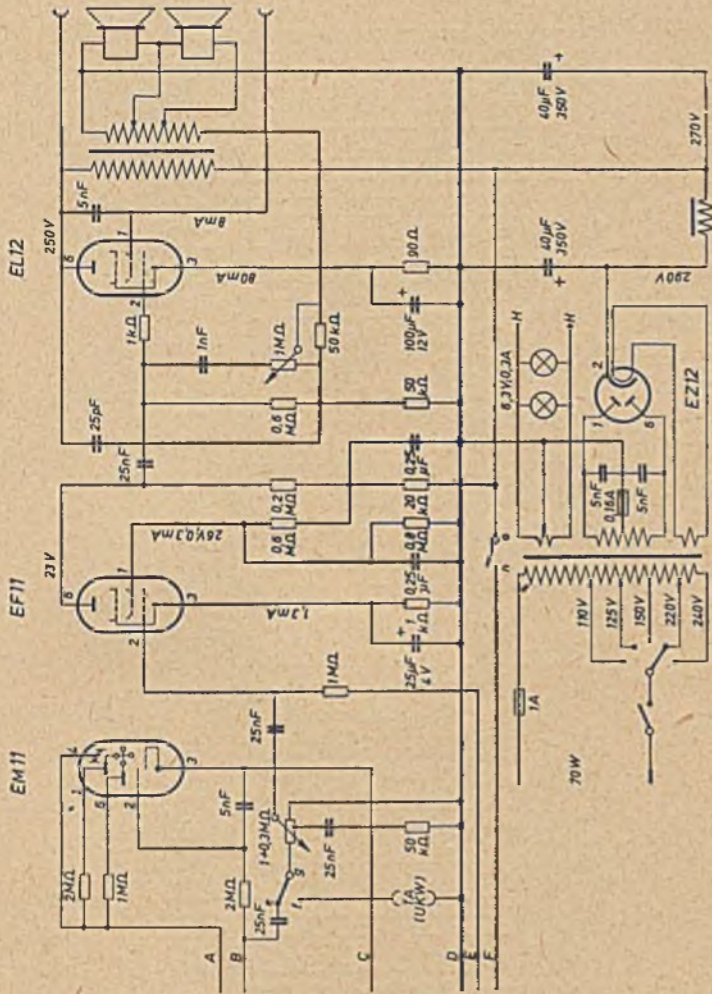
*(Produktion nach 1945)*

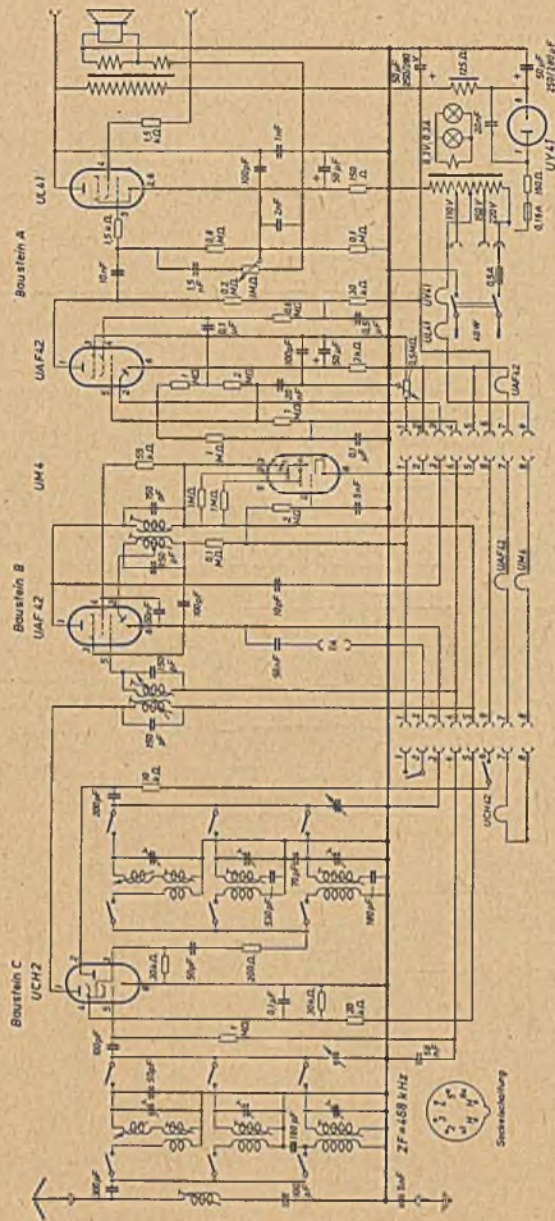


Schalter	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	
Witz																								
Wittel																								
Lang																								
UKW																								
IA																								

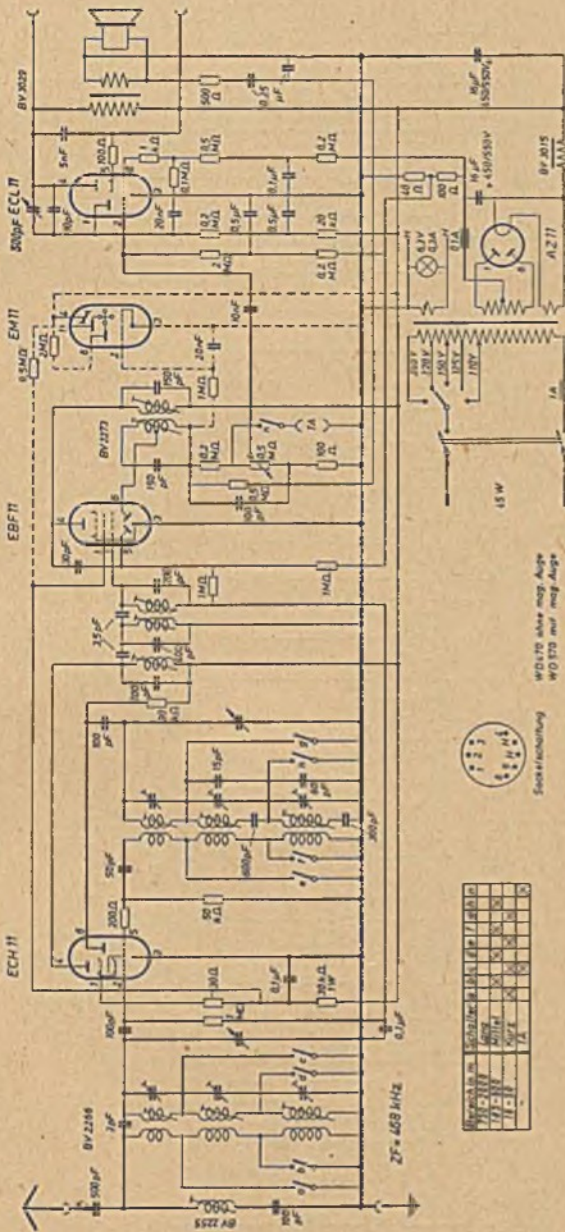


Sockettschaltung  
Meßinstrument 322Ω/V, 300 V-Bereich





Lumophon WD 570 und WD 470

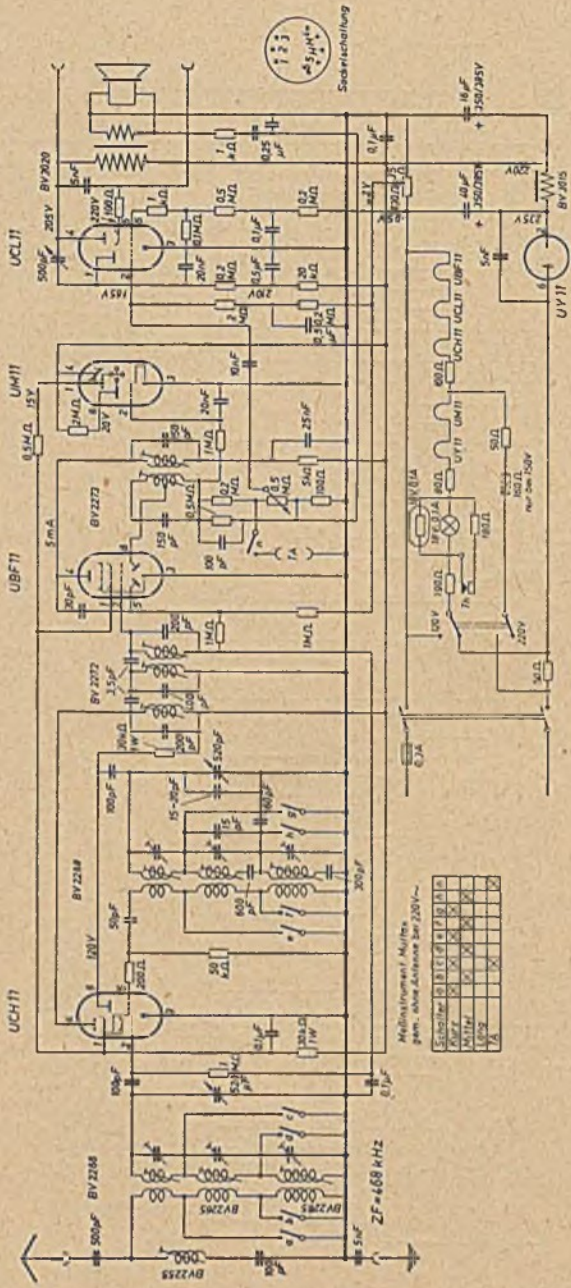


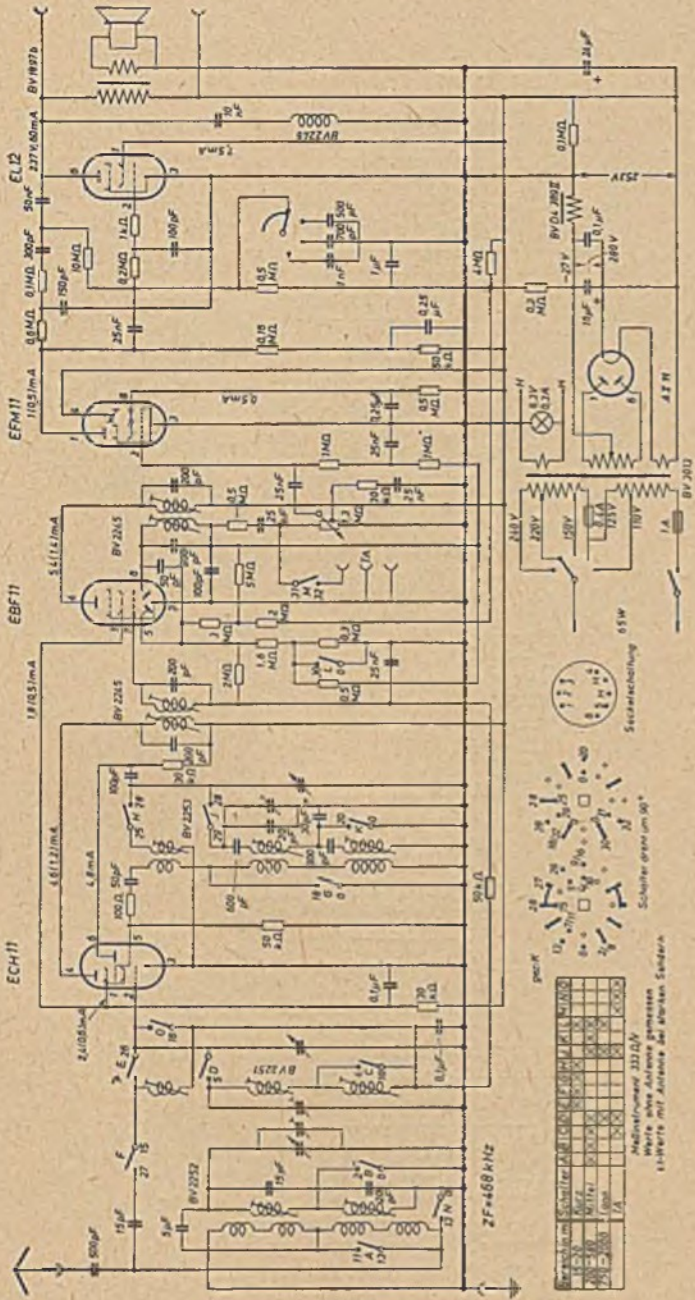
Supersicherung

Best.-Nr.	Symbol	Werte	Einheit	Bezeichnung
2101	1	200	Ω	Widerstand
2102	2	100	Ω	Widerstand
2103	3	50	Ω	Widerstand
2104	4	10	Ω	Widerstand
2105	5	0,1	μF	Kondensator
2106	6	0,01	μF	Kondensator
2107	7	10	μF	Kondensator
2108	8	50	μF	Kondensator
2109	9	200	μF	Kondensator

WD 570 ohne sup. Auge  
WD 570 mit sup. Auge

# Lumophon GW 570

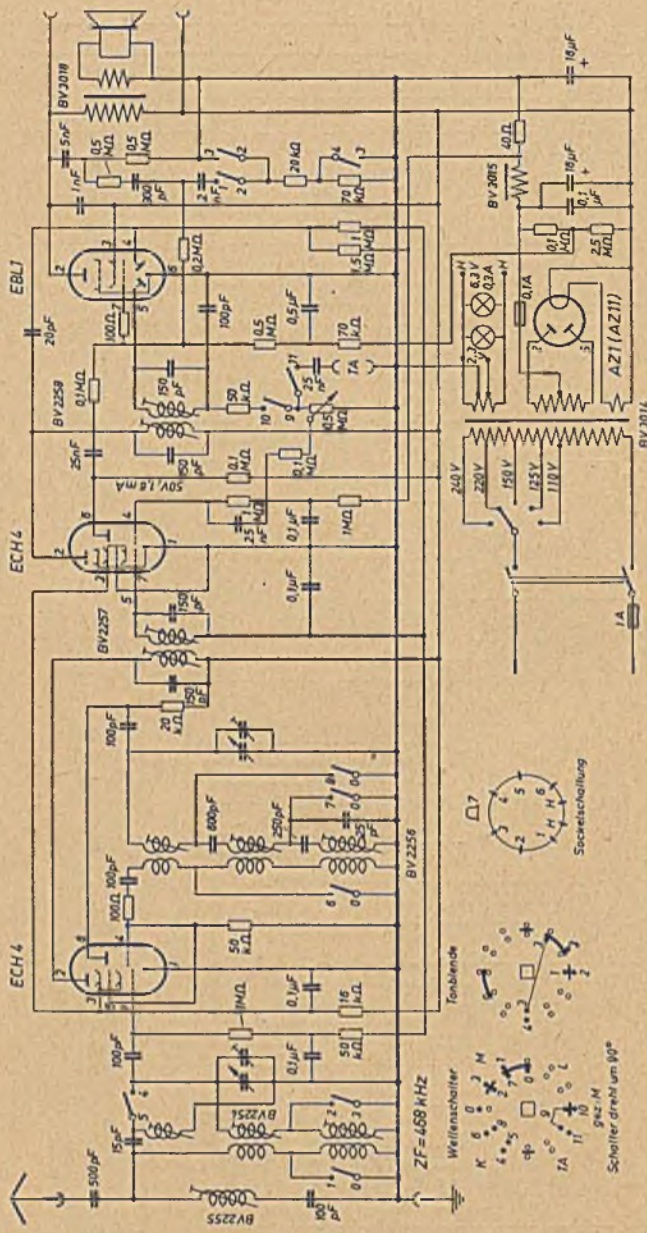




gpc/K	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Max. Strom	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2
Max. Spanne	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Max. Leistung	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2
Max. Spannung	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10



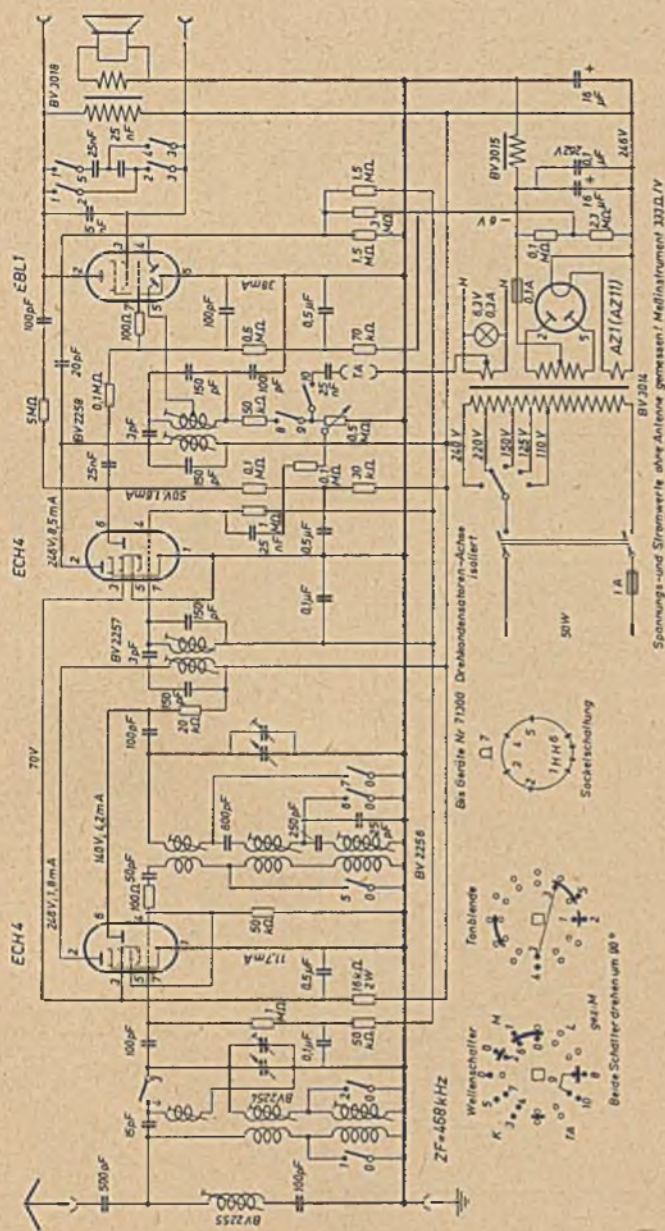
Max. Strom  
Max. Spanne  
Max. Leistung  
Max. Spannung



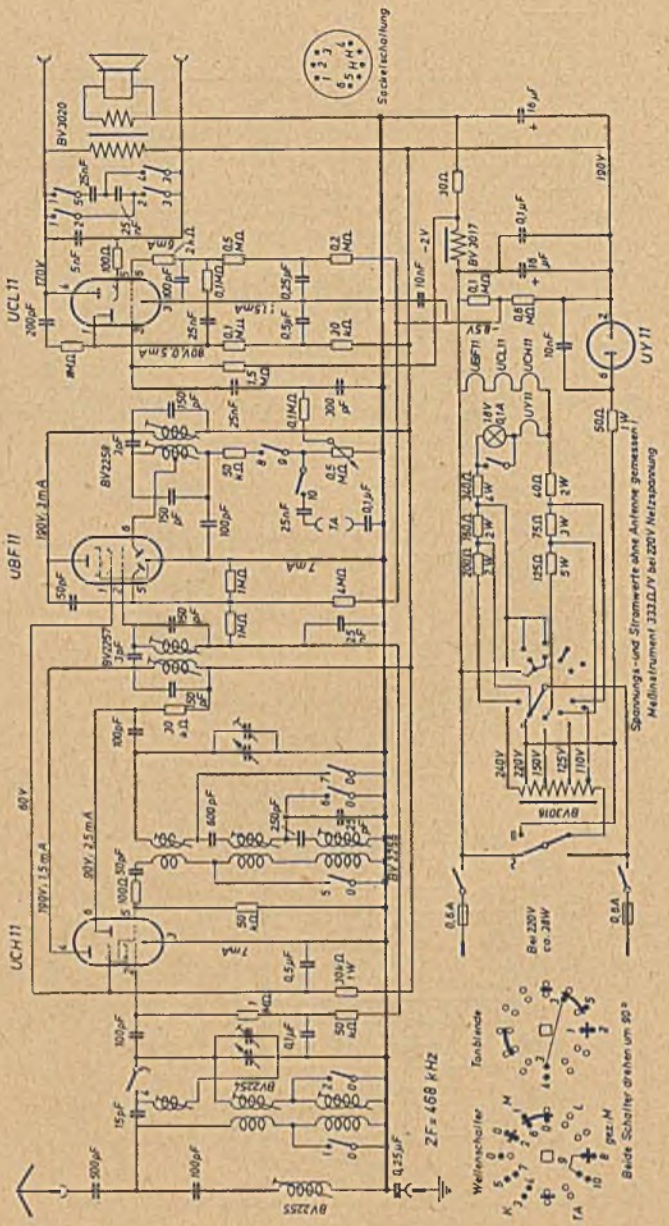


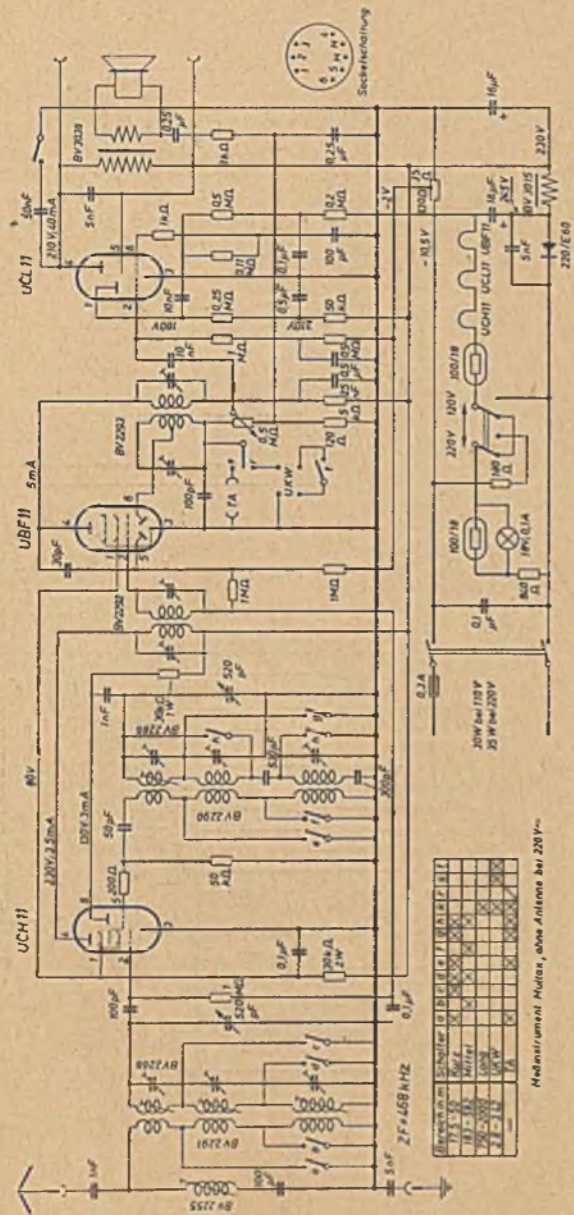


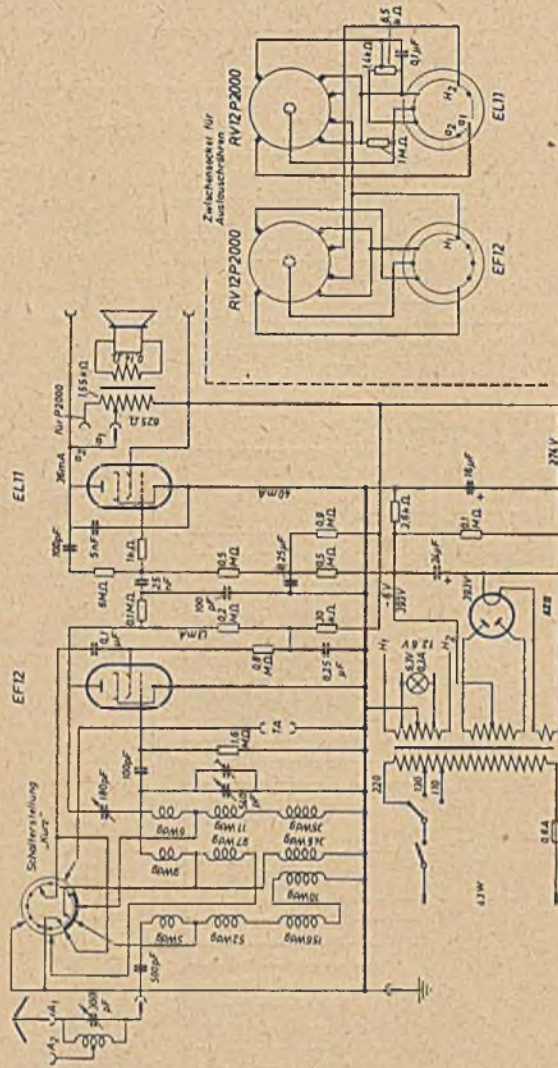


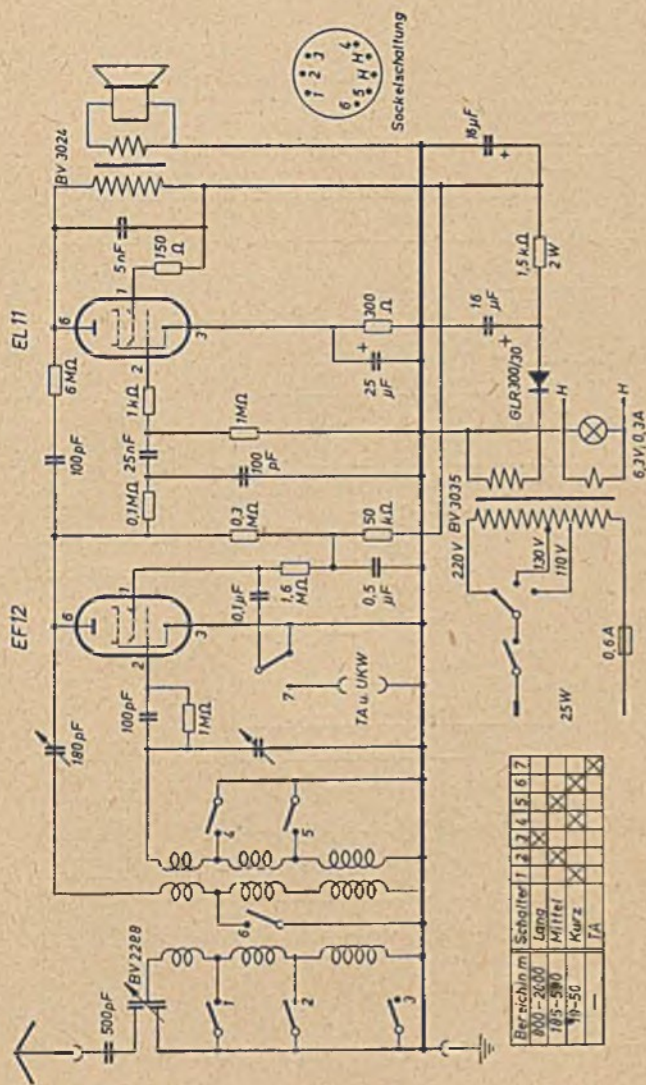


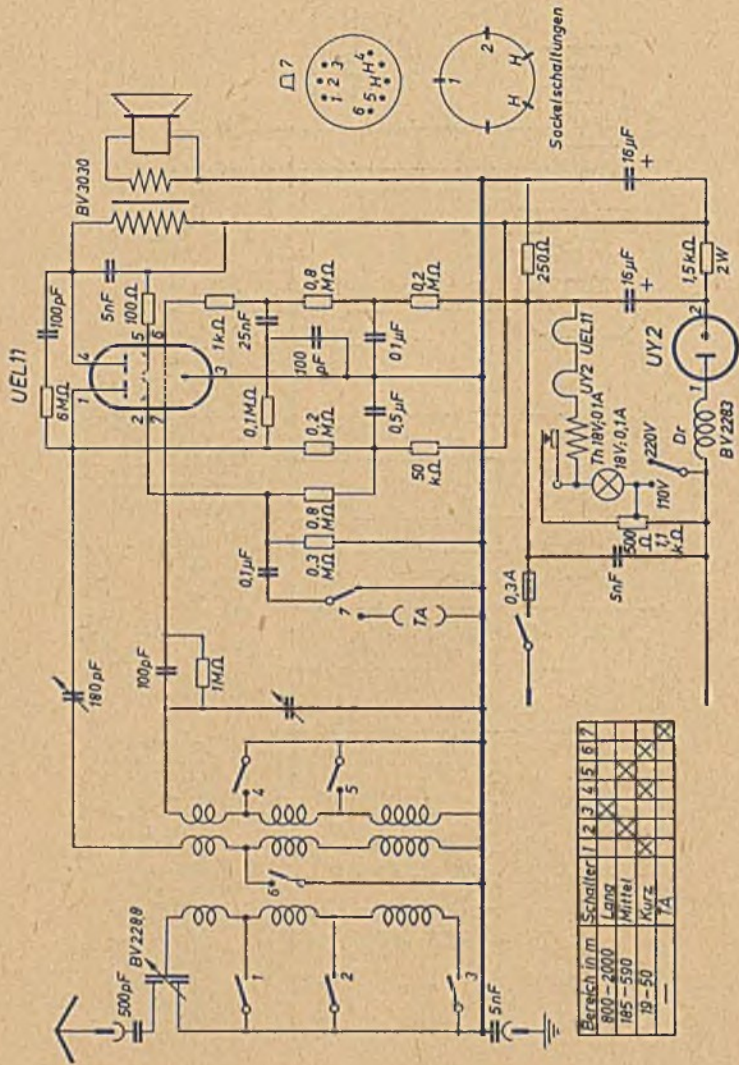
Spannungs- und Stromwerte ohne Antenne gemessen! Meßinstrument 337Ω/V



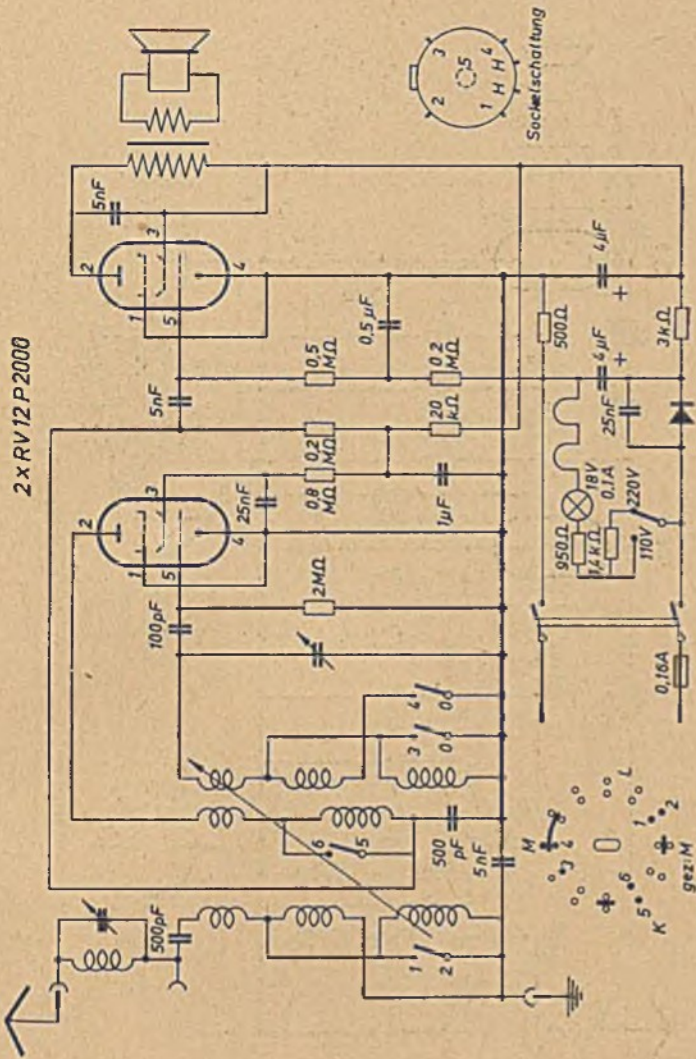


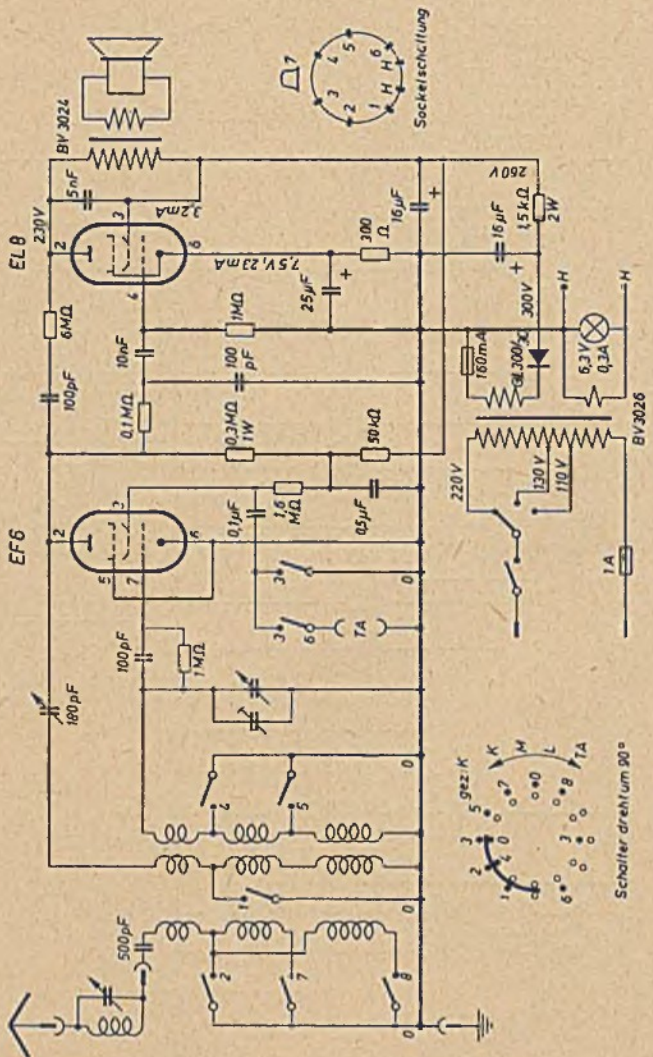


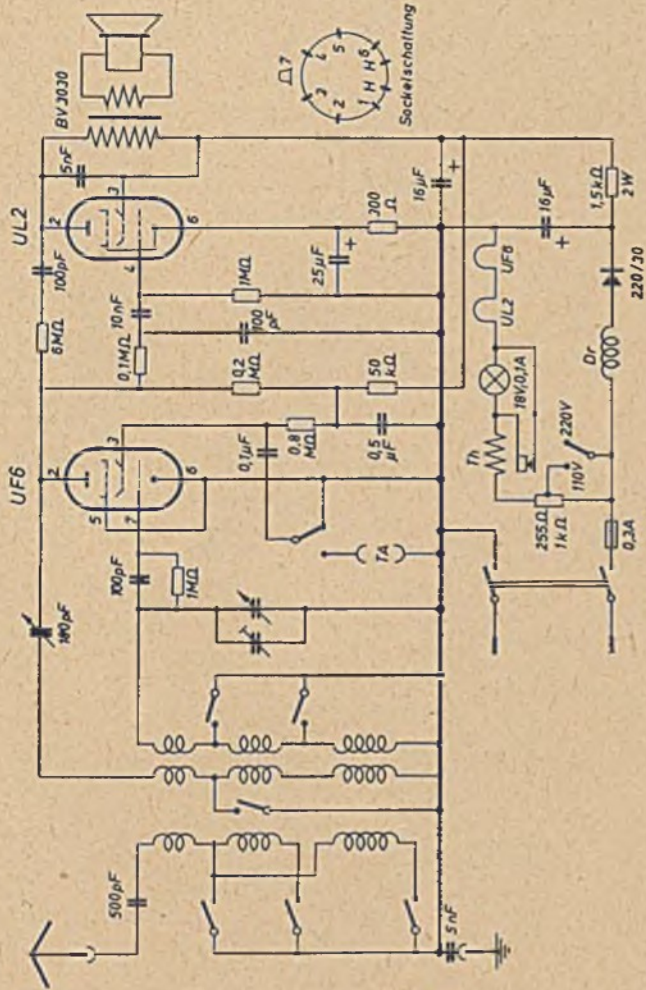










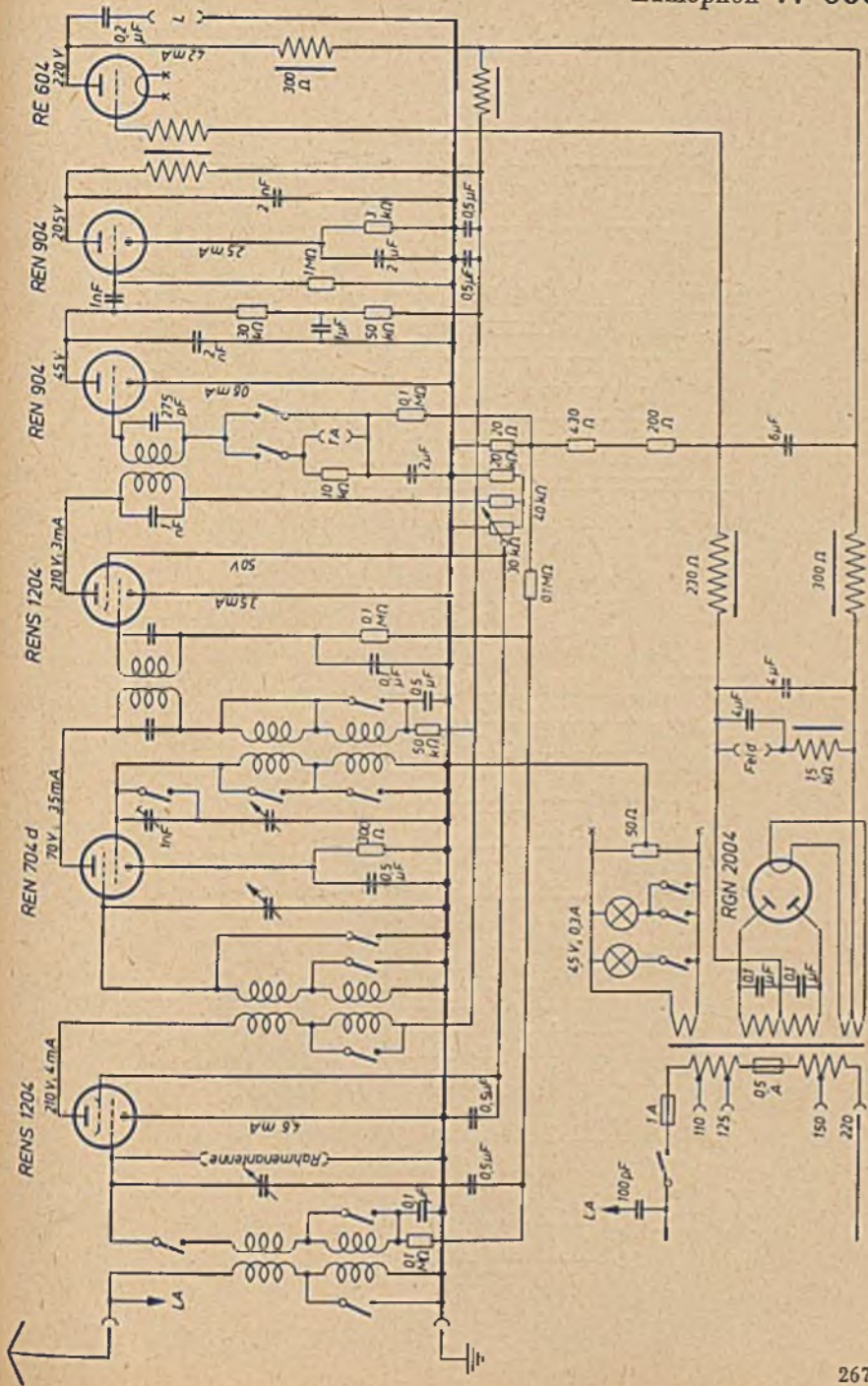


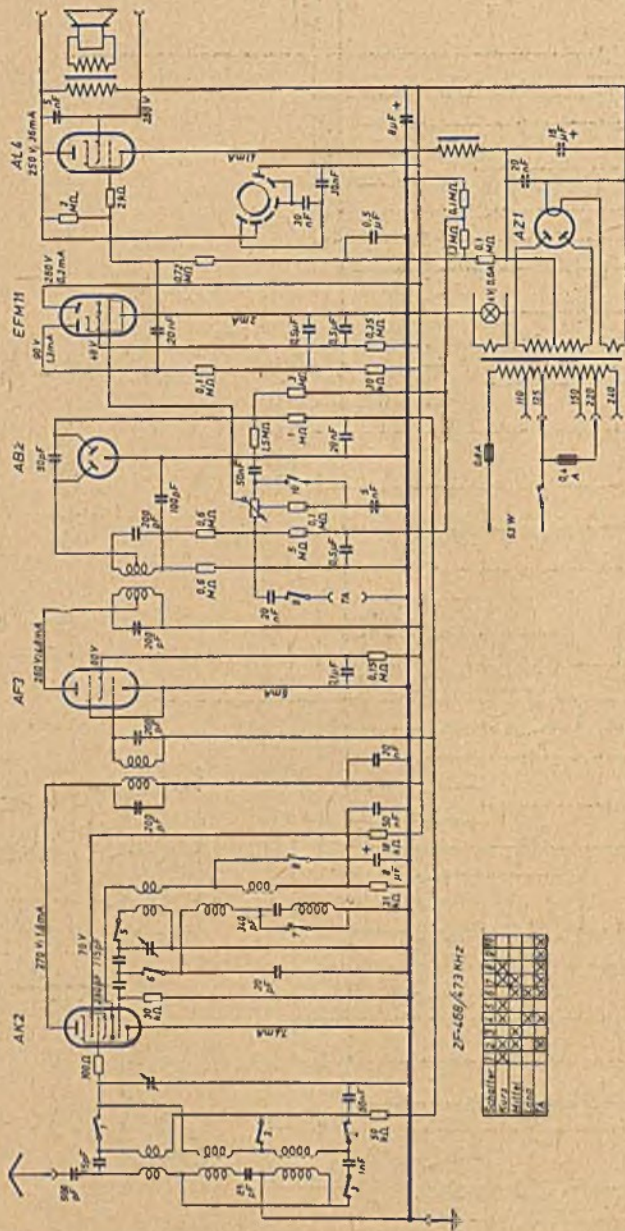


**LUMOPHON**

*(Produktion vor 1945)*



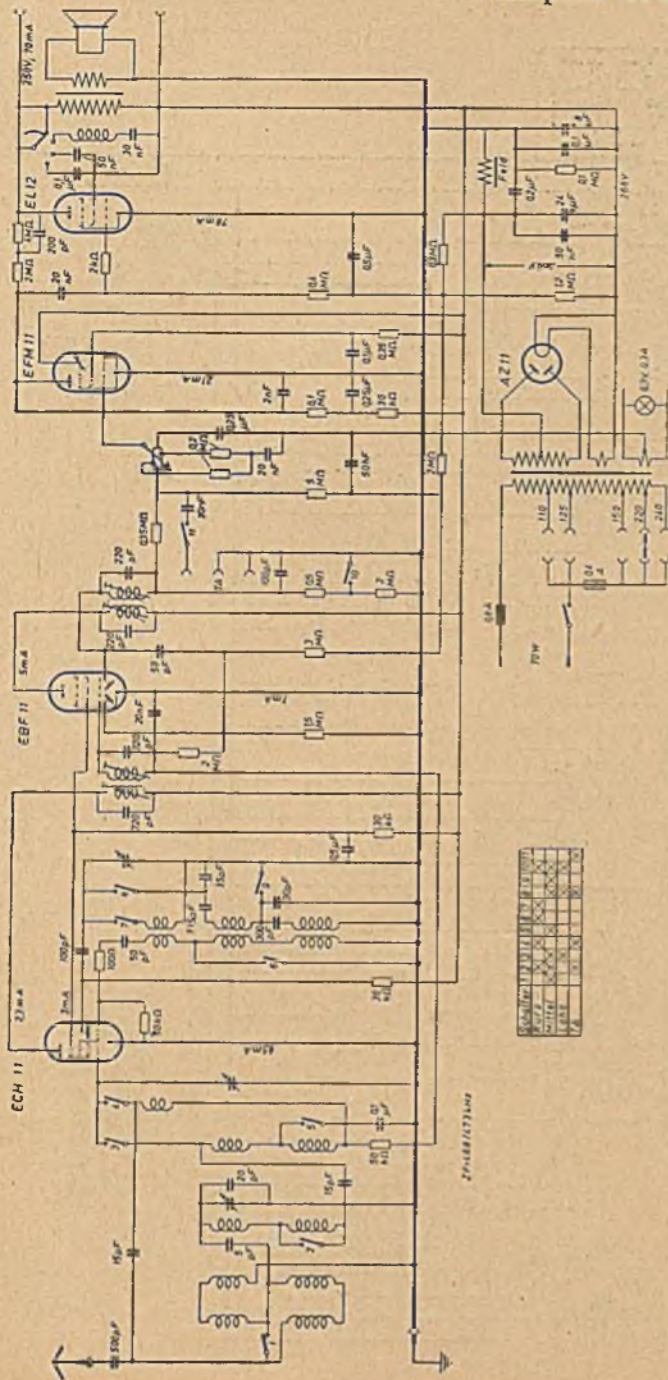




ZF-466/473 kHz

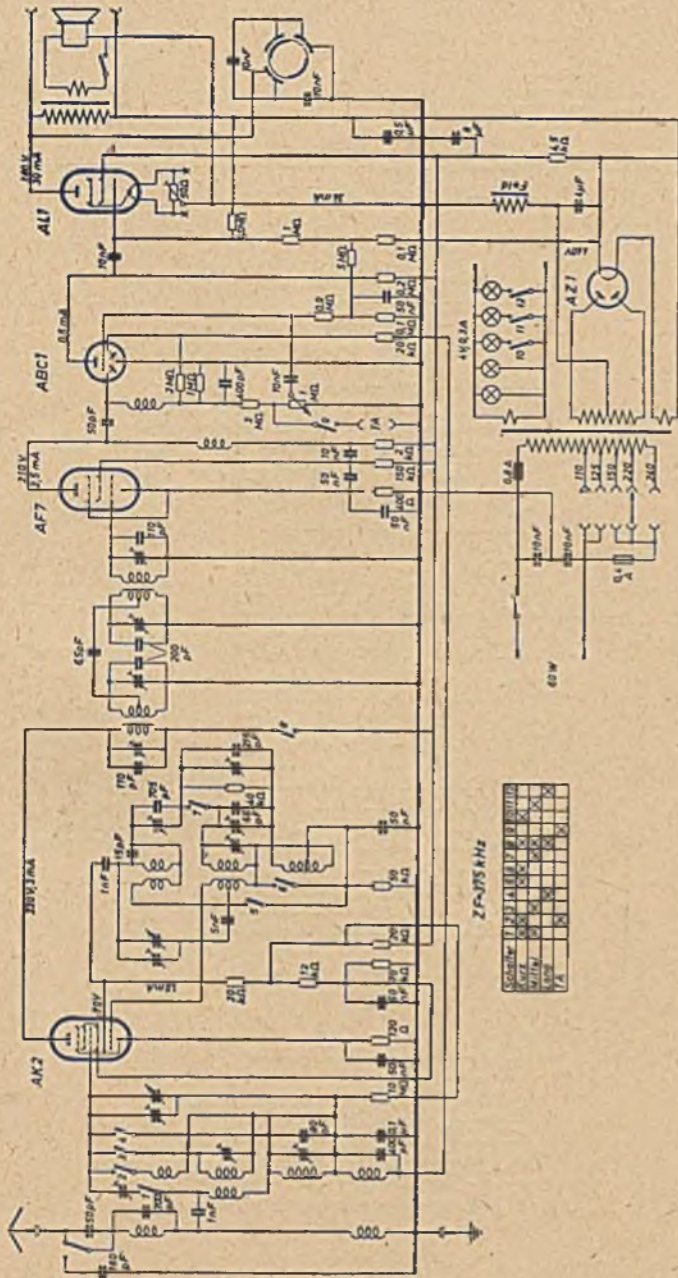
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10





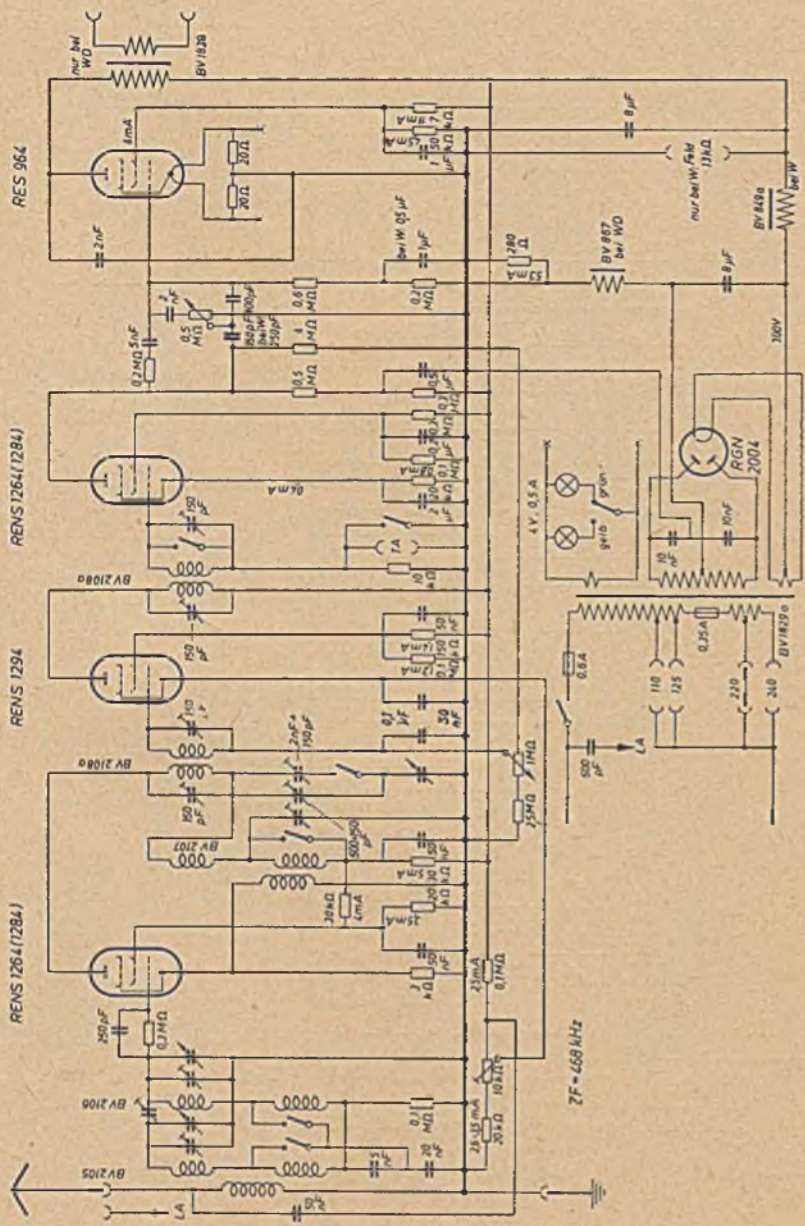
Symbol	Value	Symbol	Value
R	100Ω	C	100pF
R	1kΩ	C	1nF
R	10kΩ	C	10nF
R	100kΩ	C	100nF
R	1MΩ	C	1μF
R	10MΩ	C	10μF
R	100MΩ	C	100μF
R	1kΩ	C	1000μF

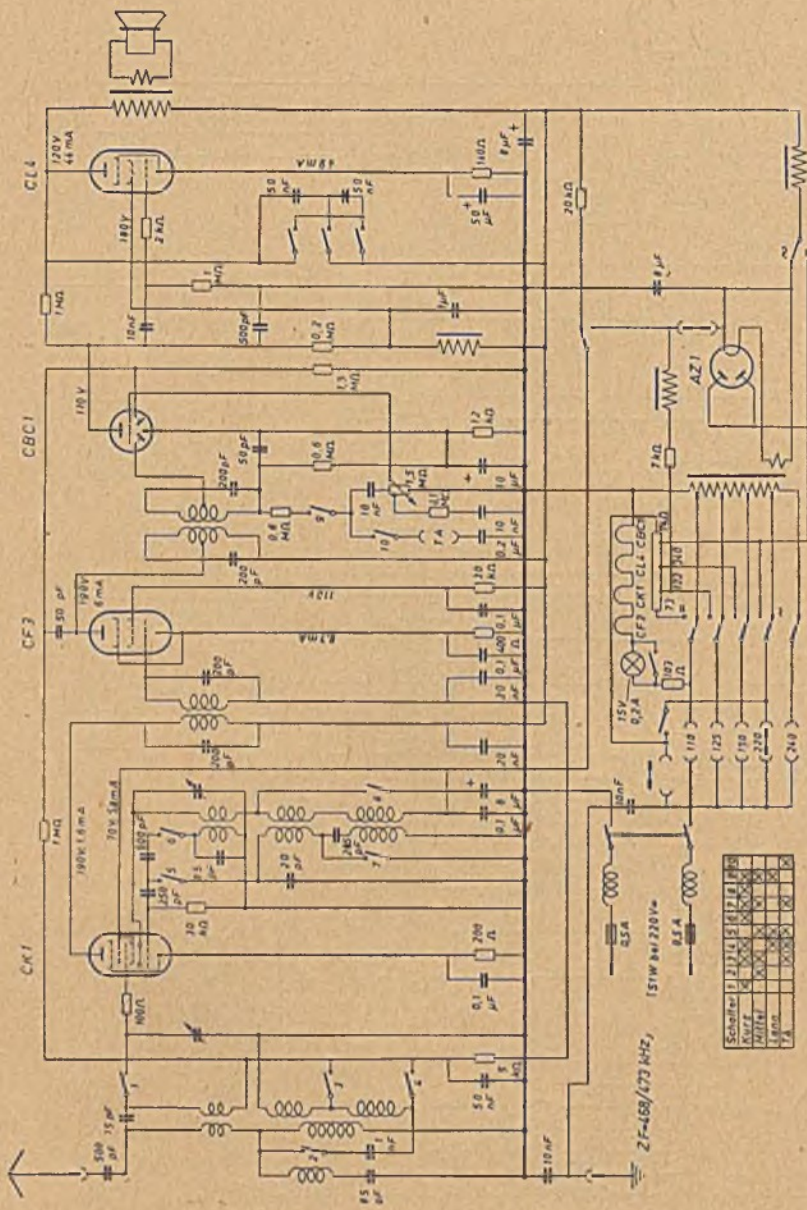




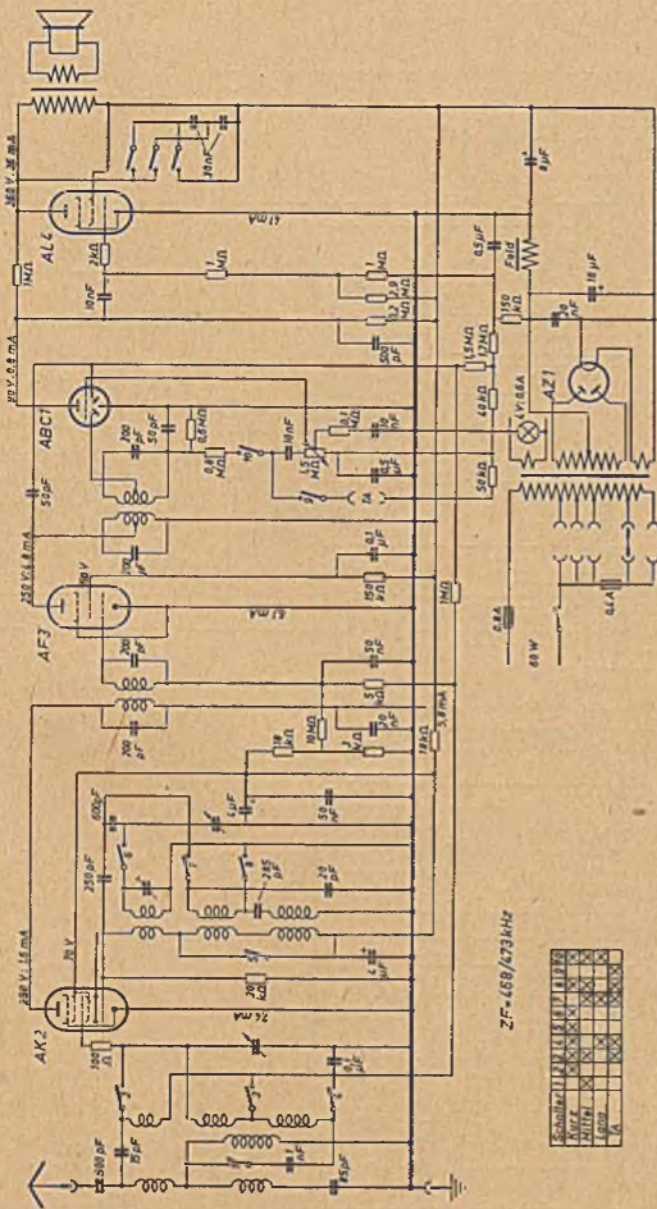


# Lumophon WD 470 und W 470



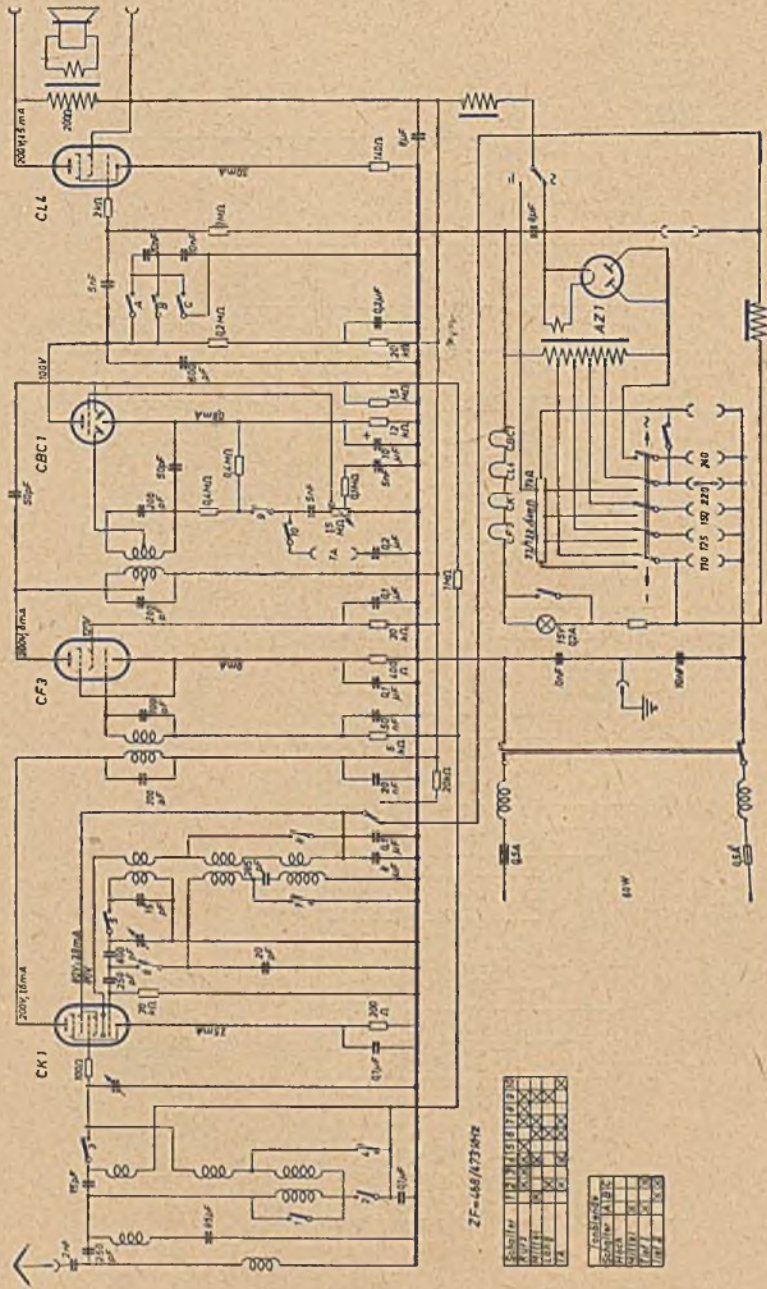


Schaltplan	1	2	3	4	5	6	7	8	9	10
R/WVF	0	0	0	0	0	0	0	0	0	0
W/RTM	0	0	0	0	0	0	0	0	0	0
W/RTM	0	0	0	0	0	0	0	0	0	0
W/RTM	0	0	0	0	0	0	0	0	0	0



ZF = 458 / 473 kHz

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

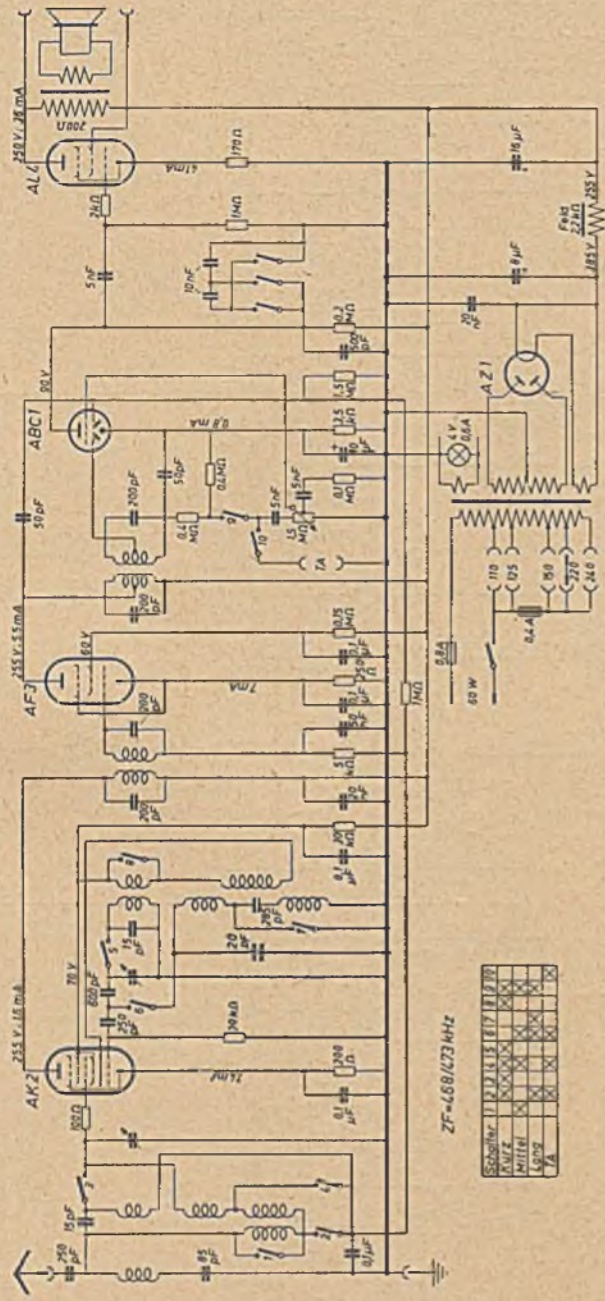


ZF=446/473kHz

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

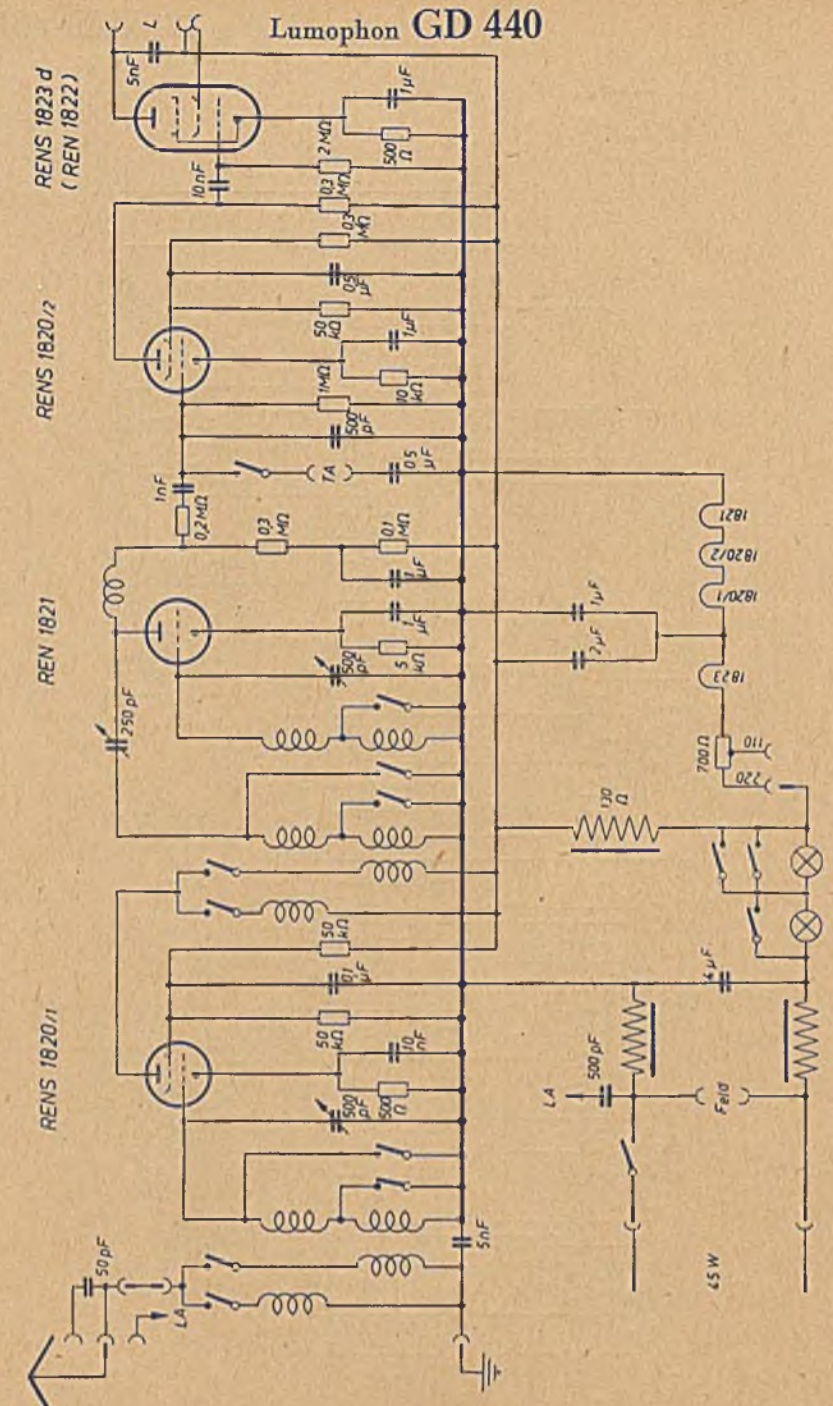


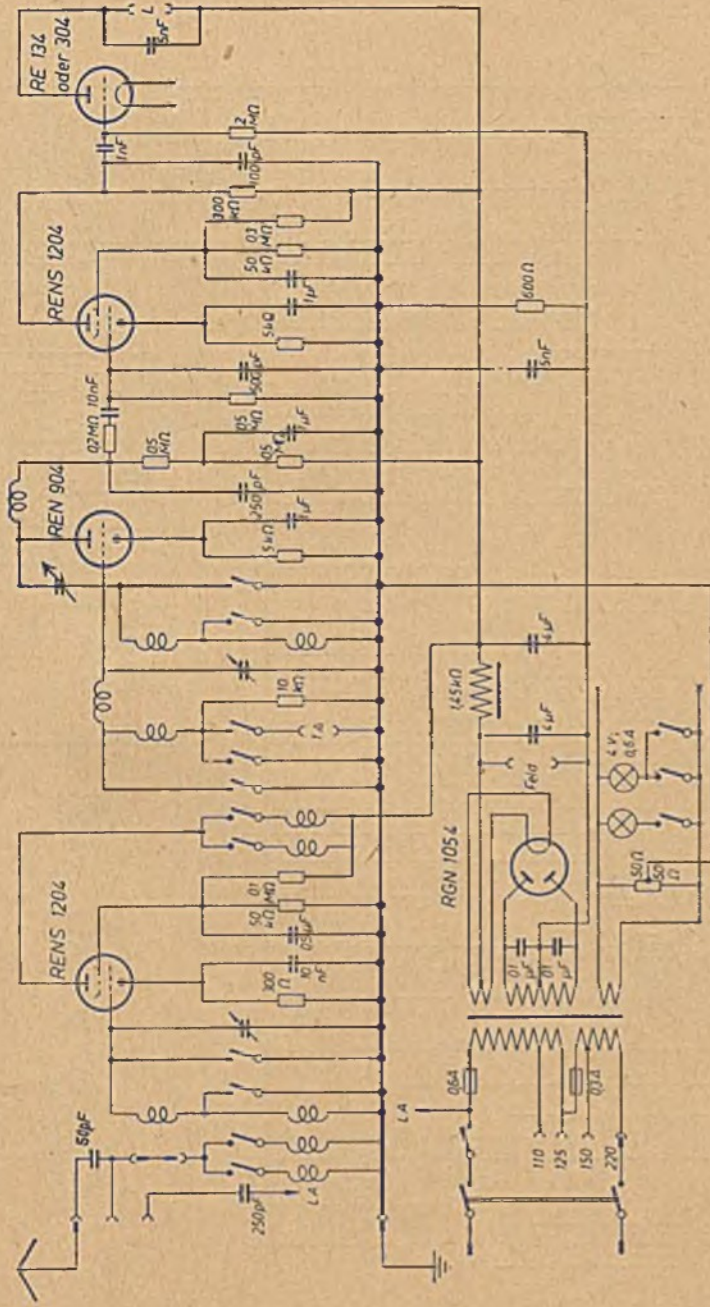


ZF = 468.473 kHz

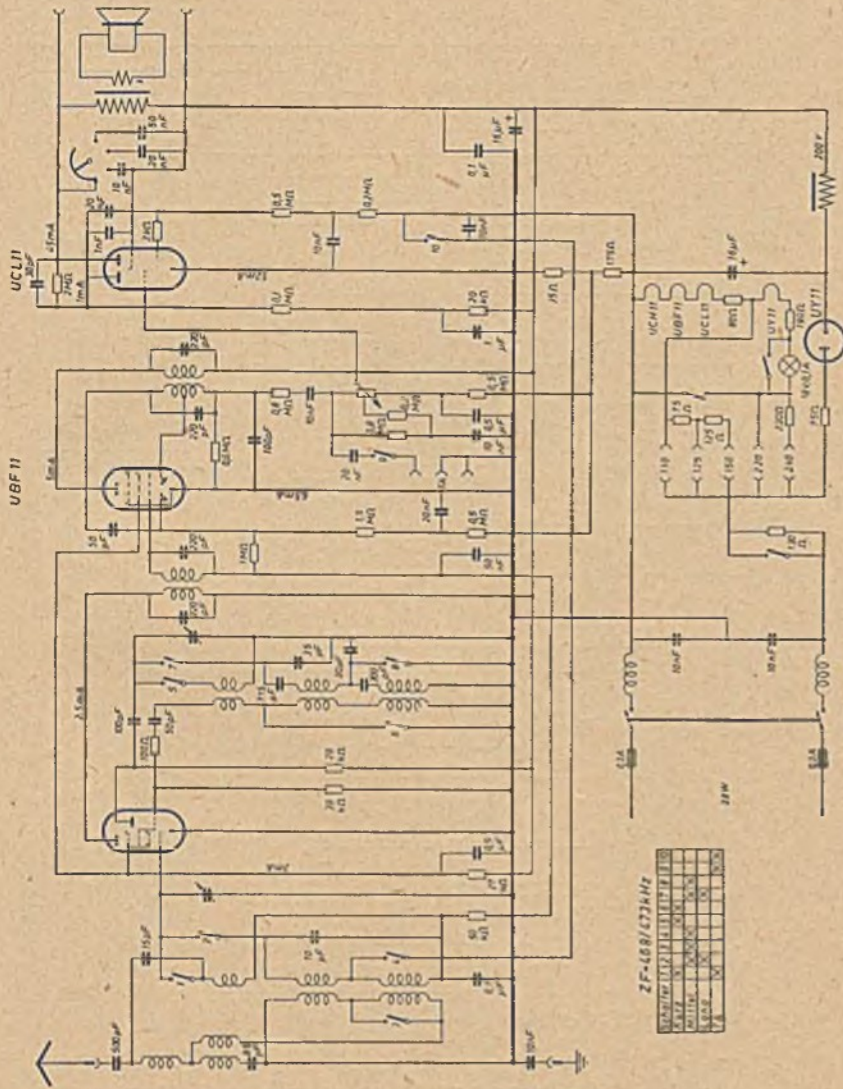
Schalter	1	2	3	4	5	6	7	8	9	10
Aufz										
Mittel										
Unt										
TA										

# Lumophon GD 440

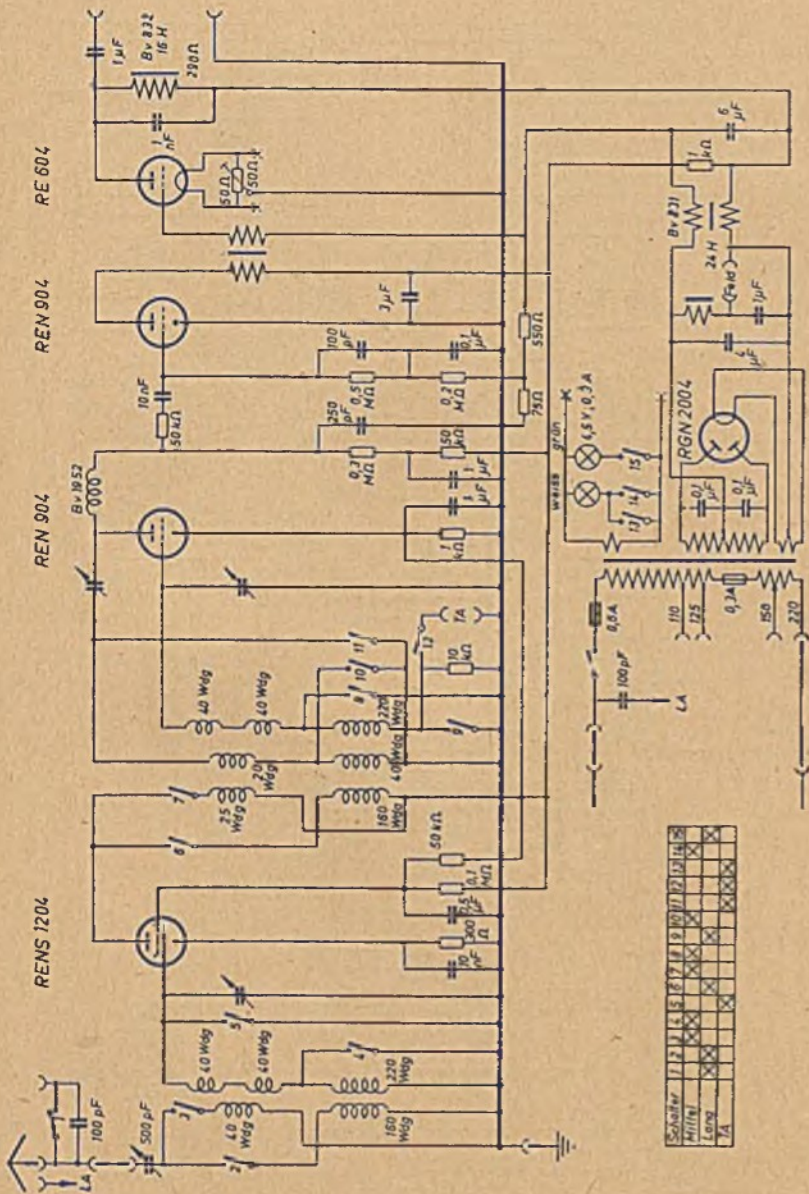






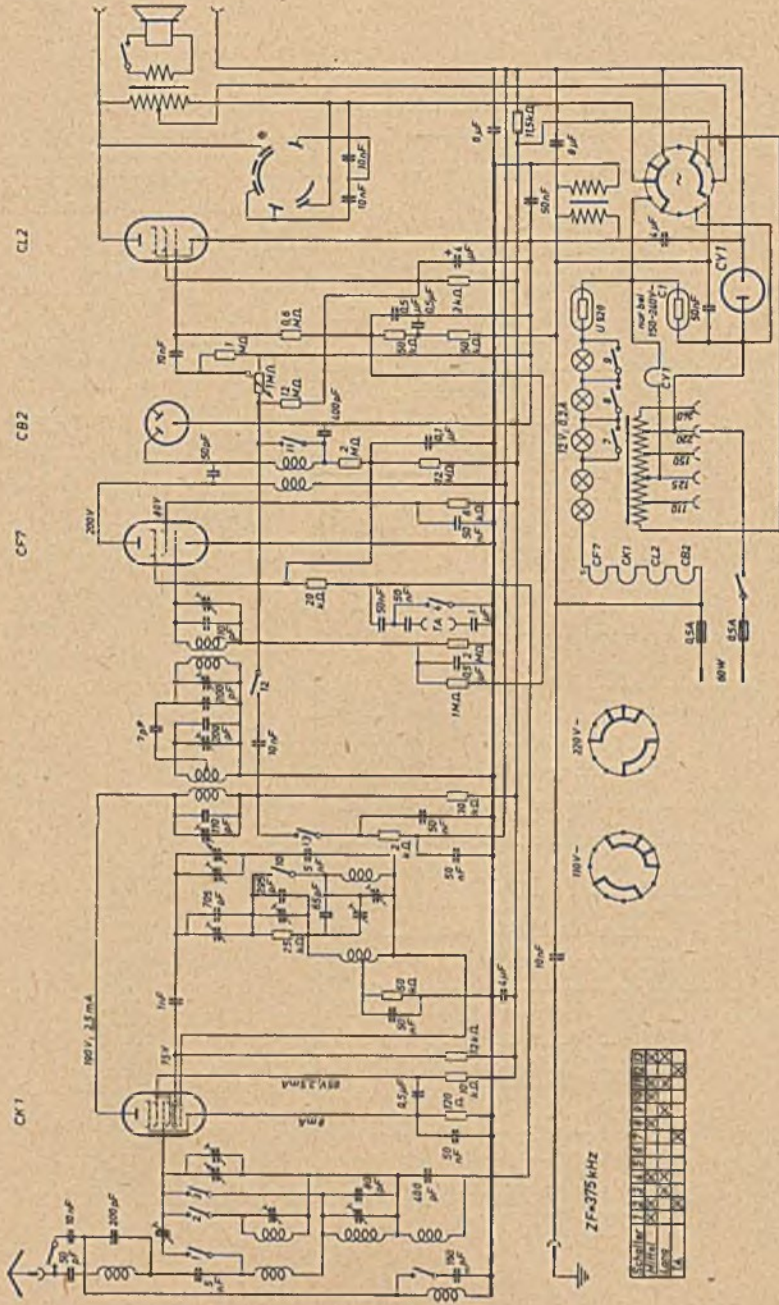






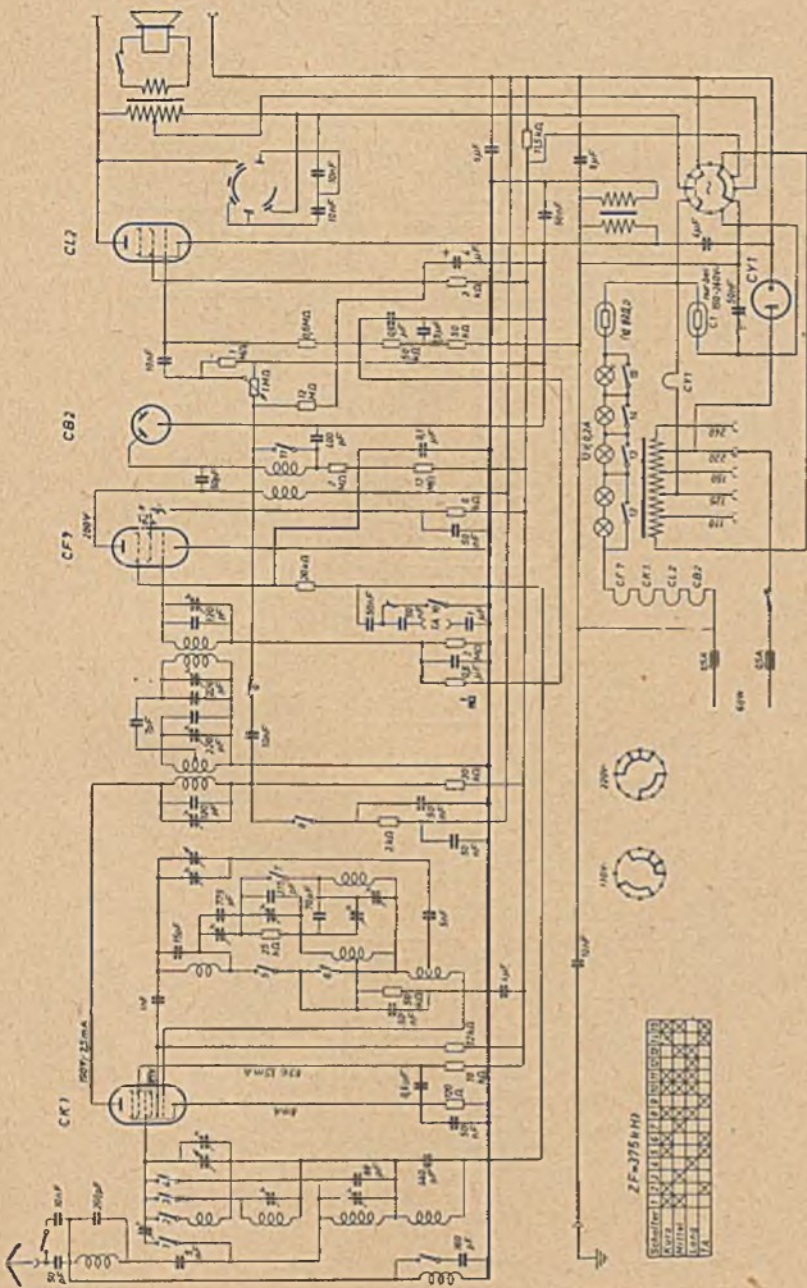
Schalter	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Hi/Freq															
Long															
TA															

# Lumophon GW 375 Landgraf



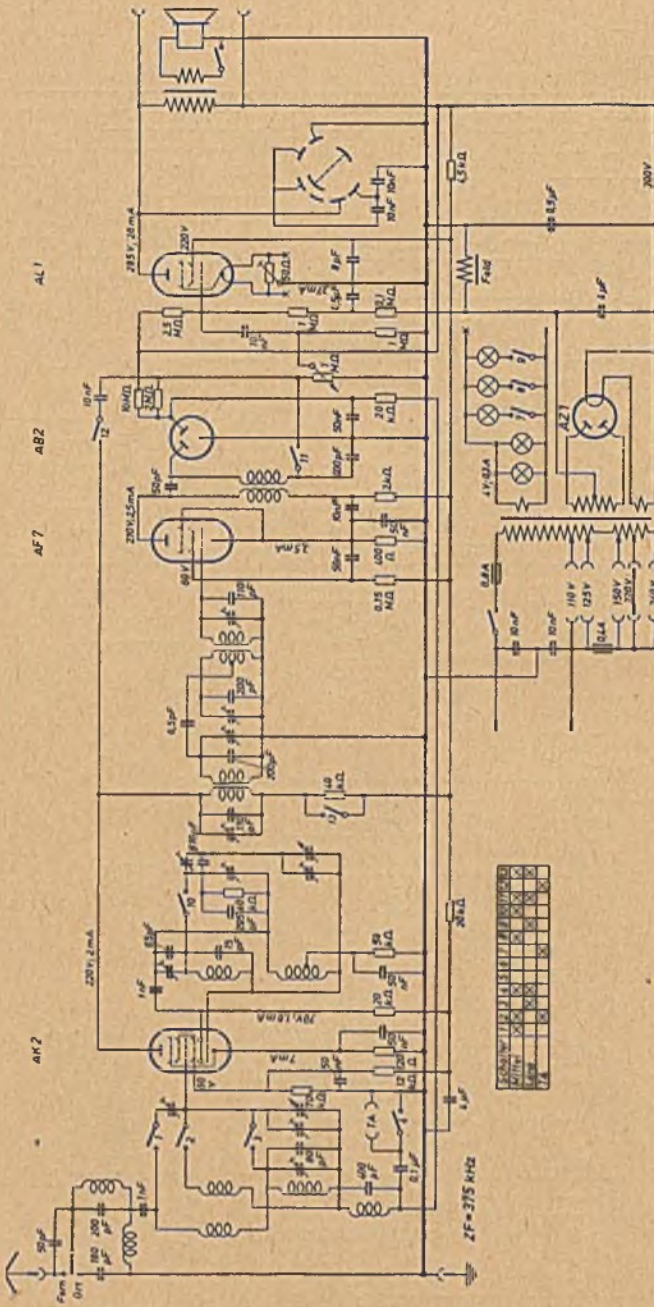


# Lumophon GW 375 K Landgraf

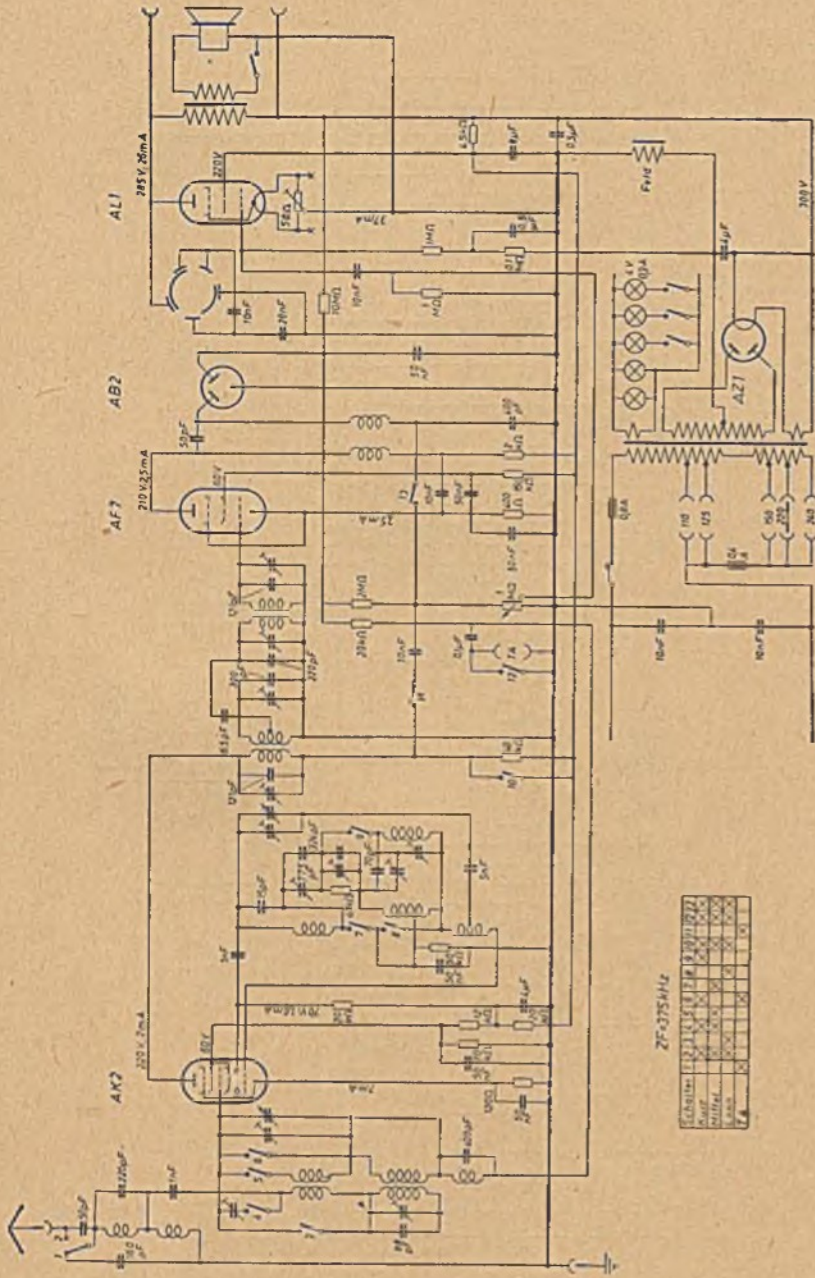


ZF=375 kHz

Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
2	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
4	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
5	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
6	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
7	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
8	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
9	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
10	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
11	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
12	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
13	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
14	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
15	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
16	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
17	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
18	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
19	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
20	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

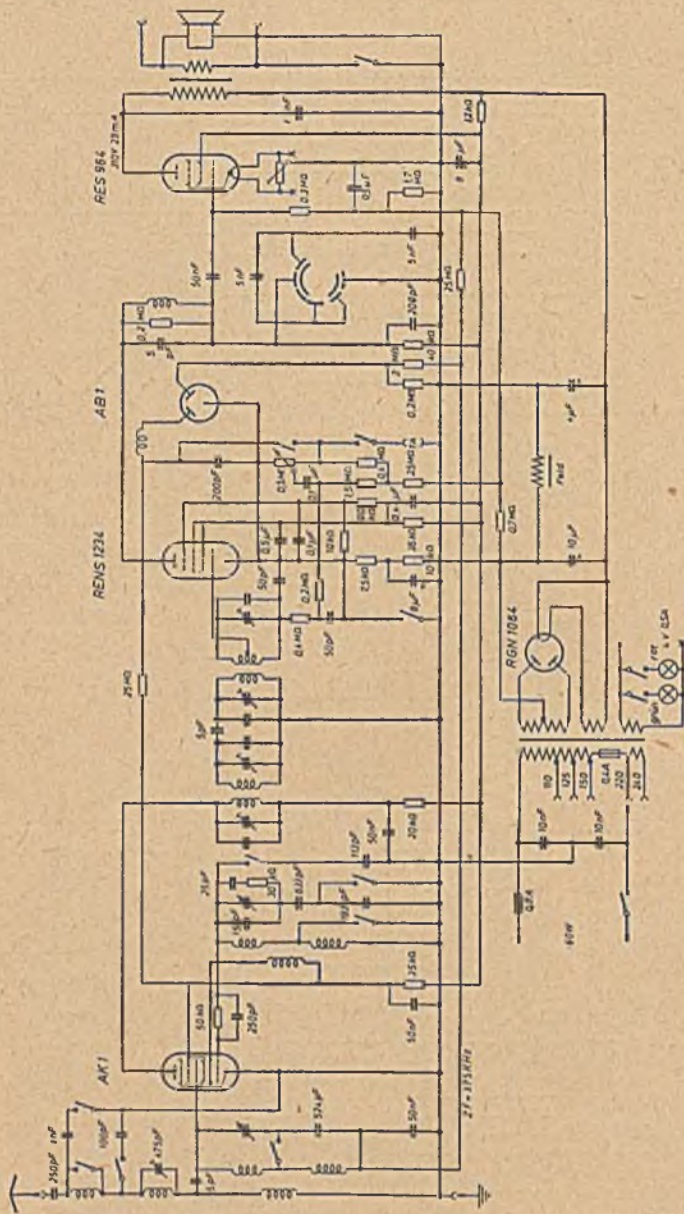


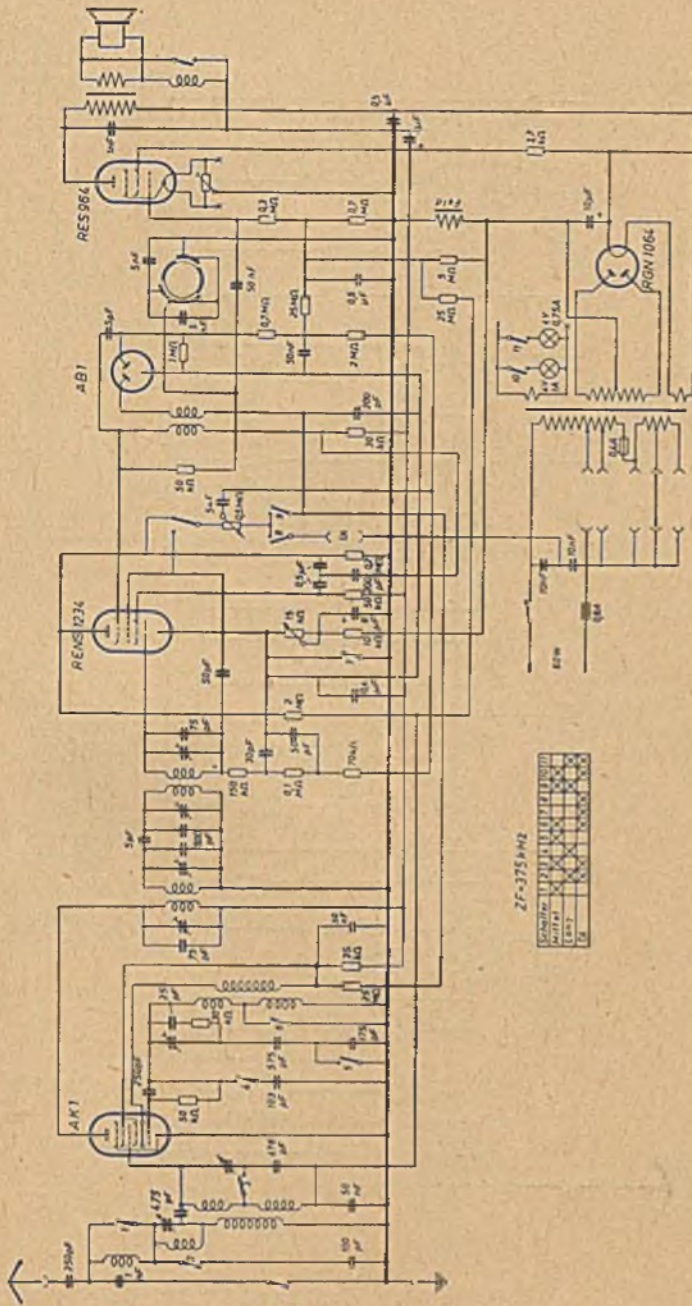
# Lumophon WD 375 K Landgraf

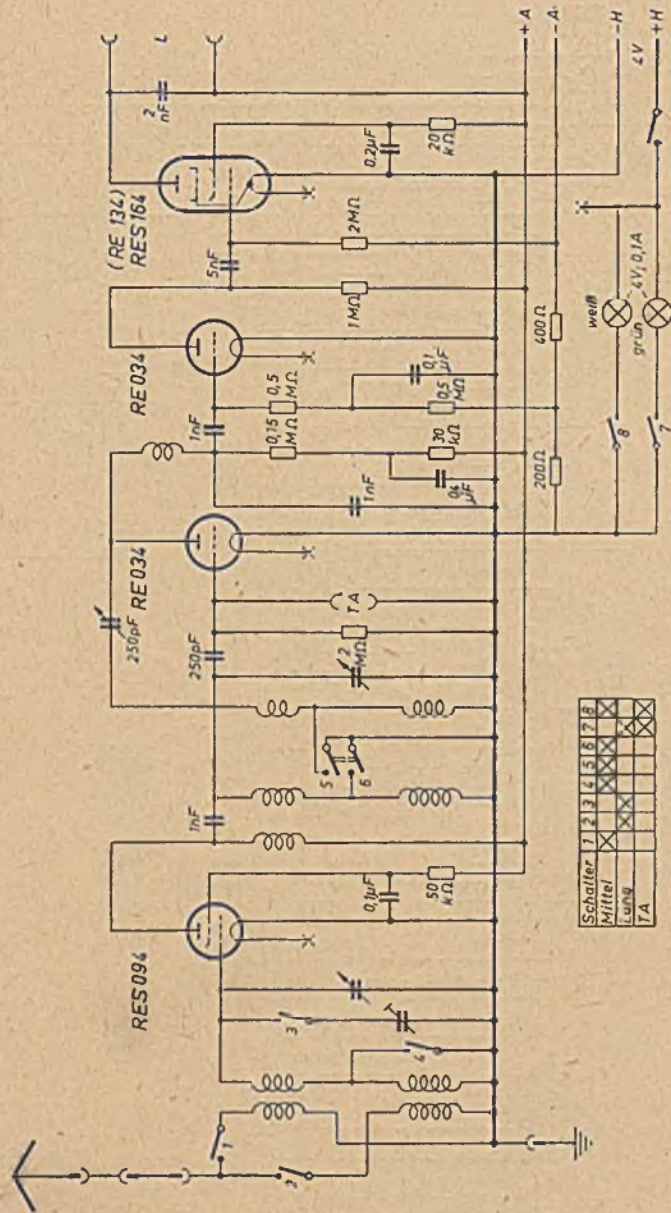


ZF = 375 kHz

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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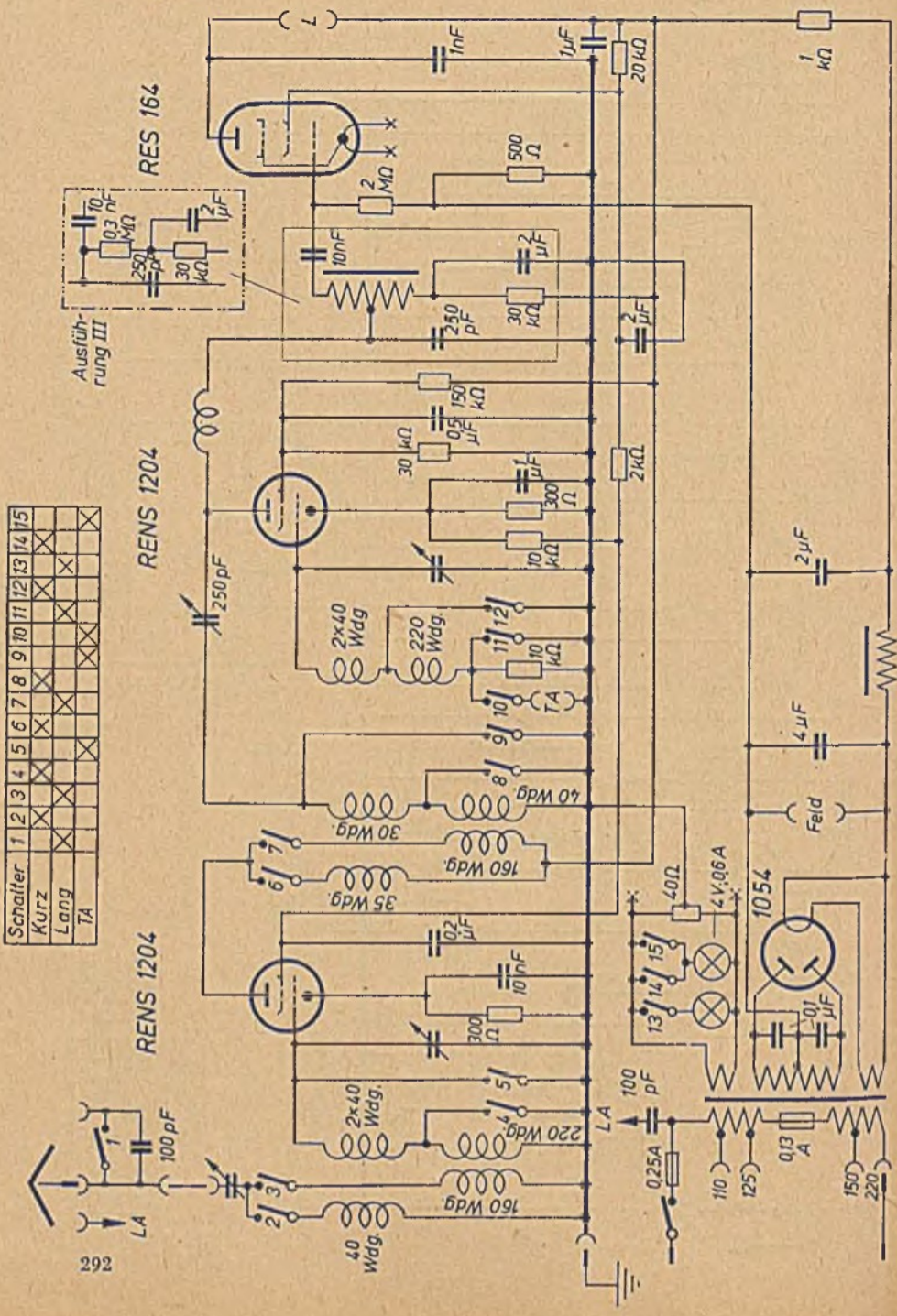








Schalter	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Kurz															
Lang															
TA															



292

Ausführung III

RES 164

RES 1204

RES 1204

1054

1054

1054

1054

1054

1054

1054

1054

1054

1054

1054

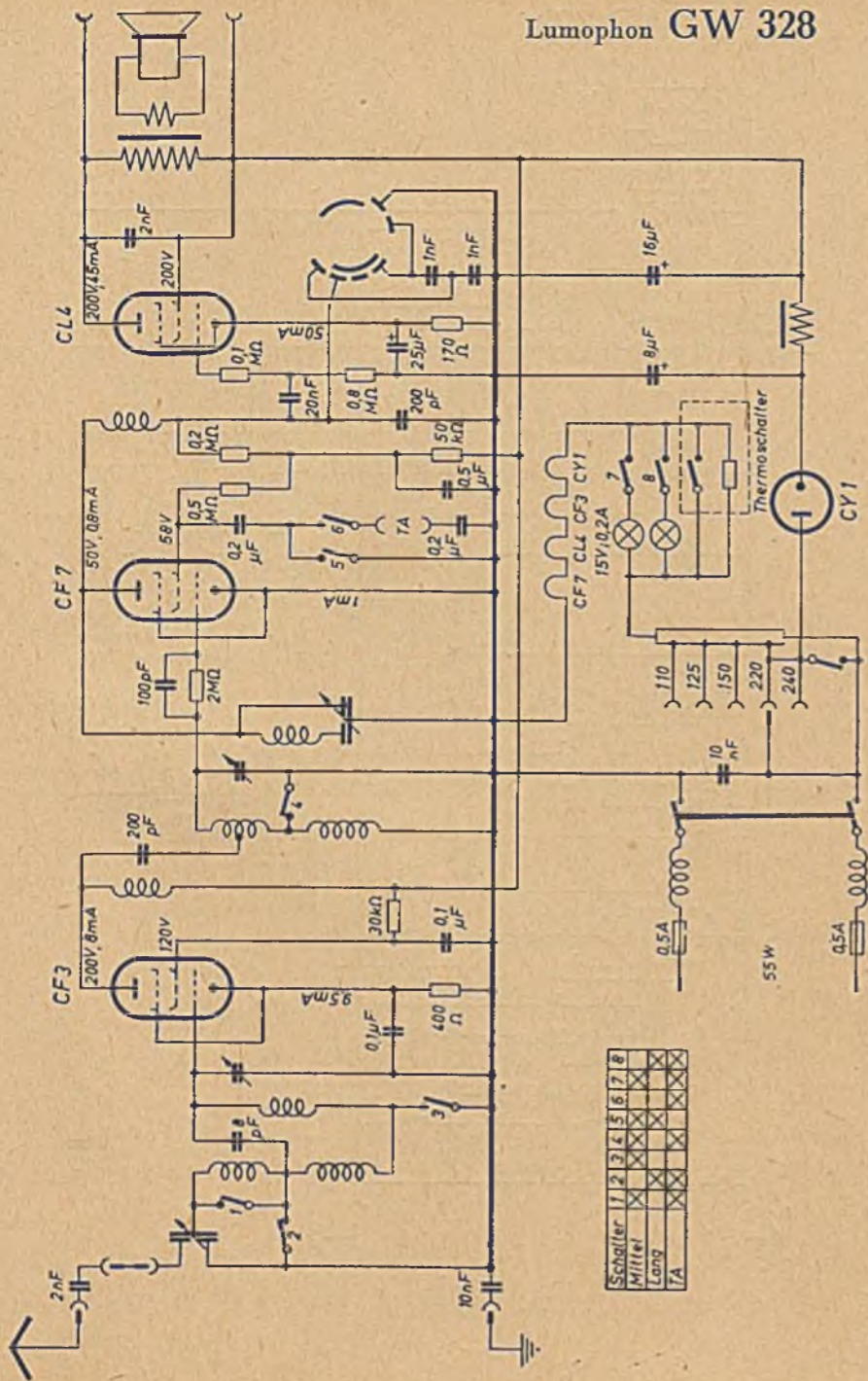
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1054

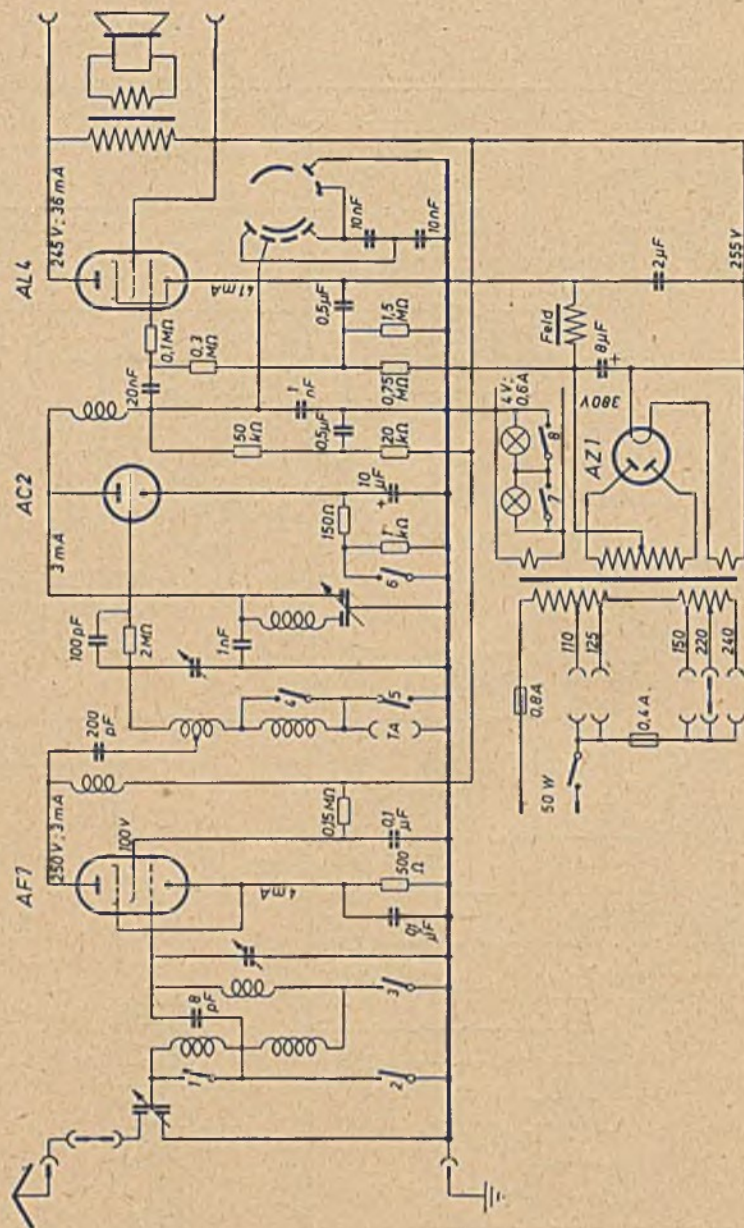
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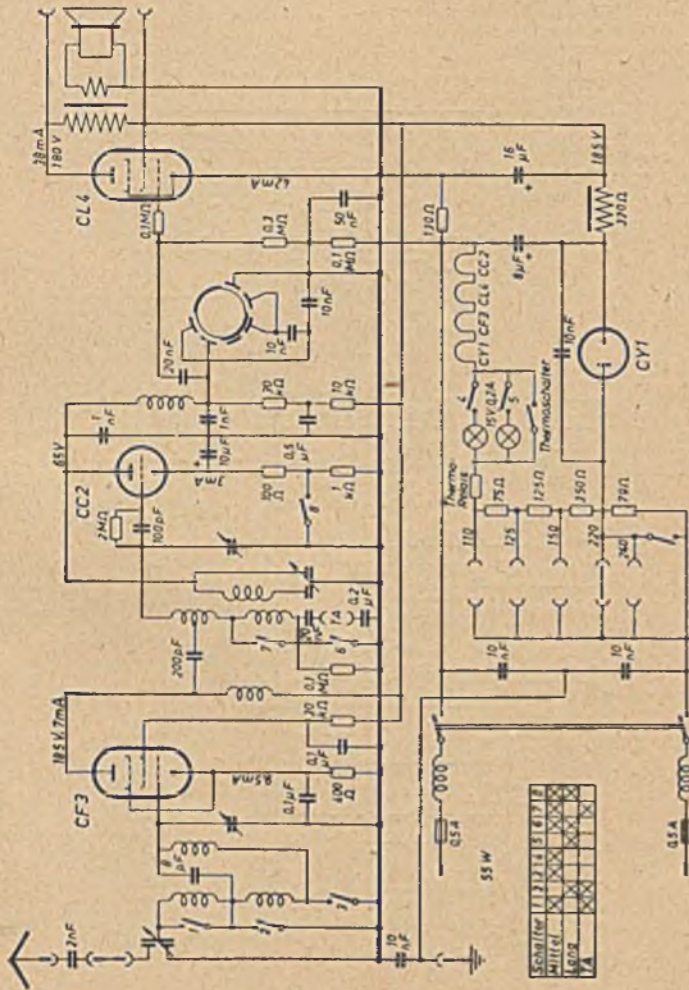


Lumophon GW 328

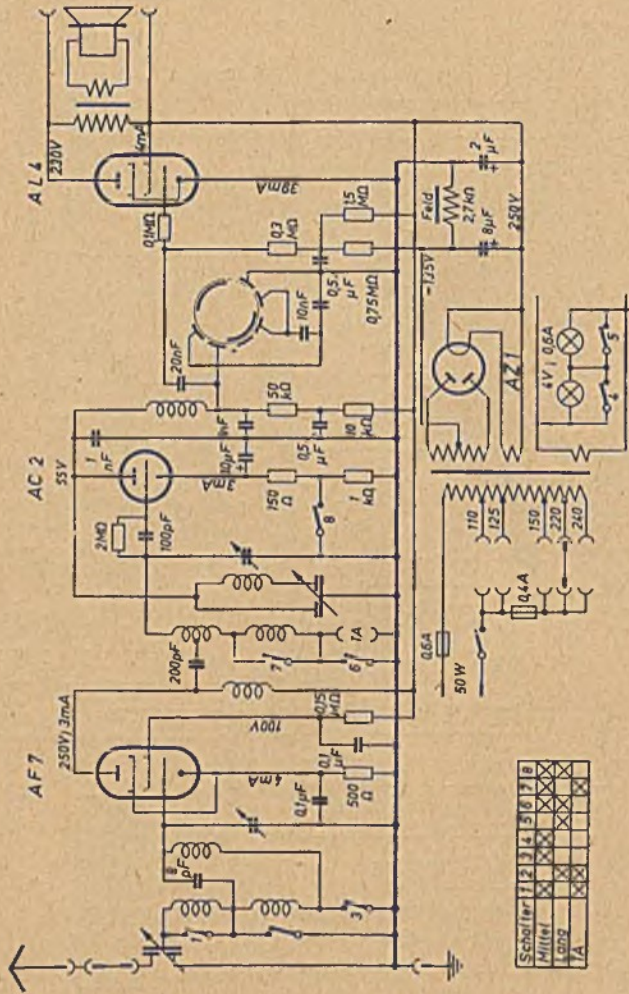


# Lumophon WD 328





Schaltplan	1	2	3	4	5	6	7	8
Mittel	×	×	×	×	×	×	×	×
1509	×	×	×	×	×	×	×	×
A	×	×	×	×	×	×	×	×

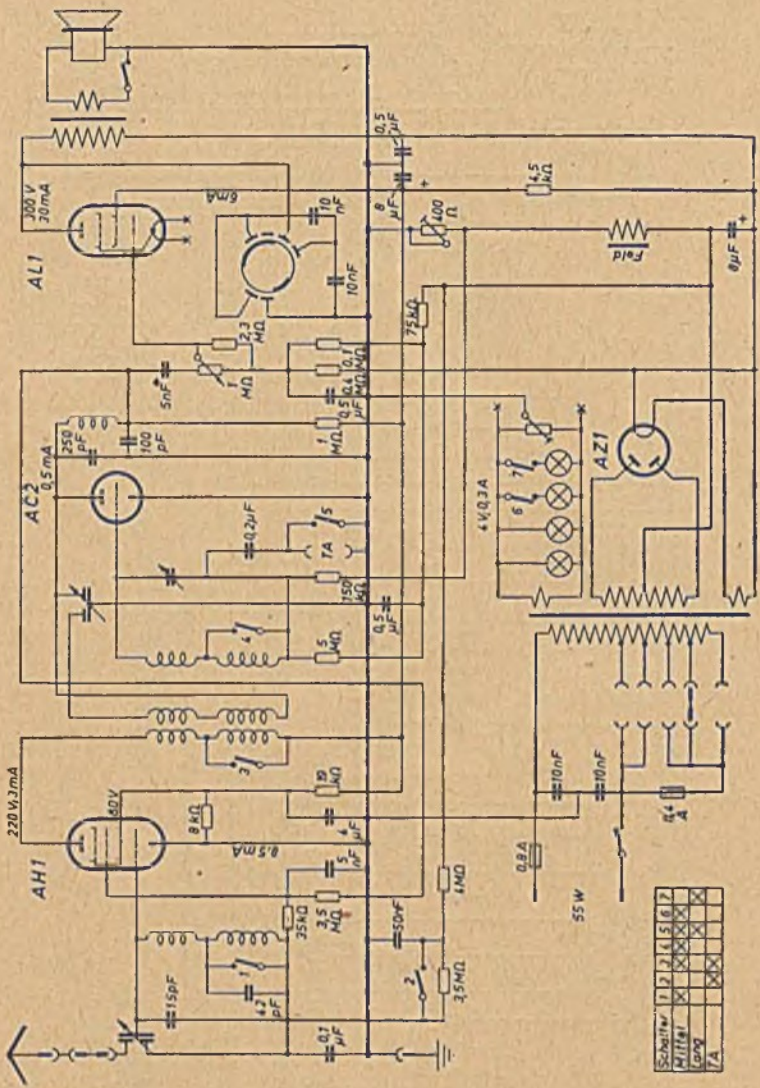


Schalter	1	2	3	4	5	6	7	8
Mittel	X	X	X	X	X	X	X	X
Loos	X	X	X	X	X	X	X	X
IA	X	X	X	X	X	X	X	X





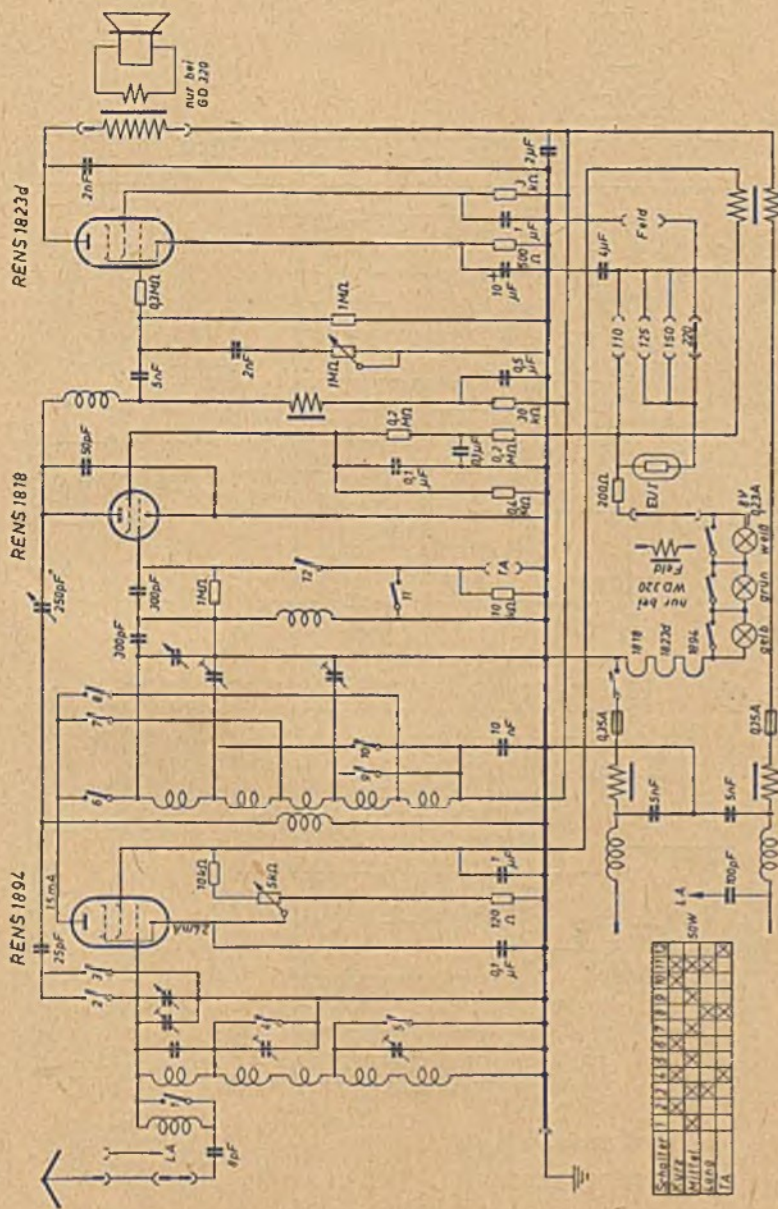




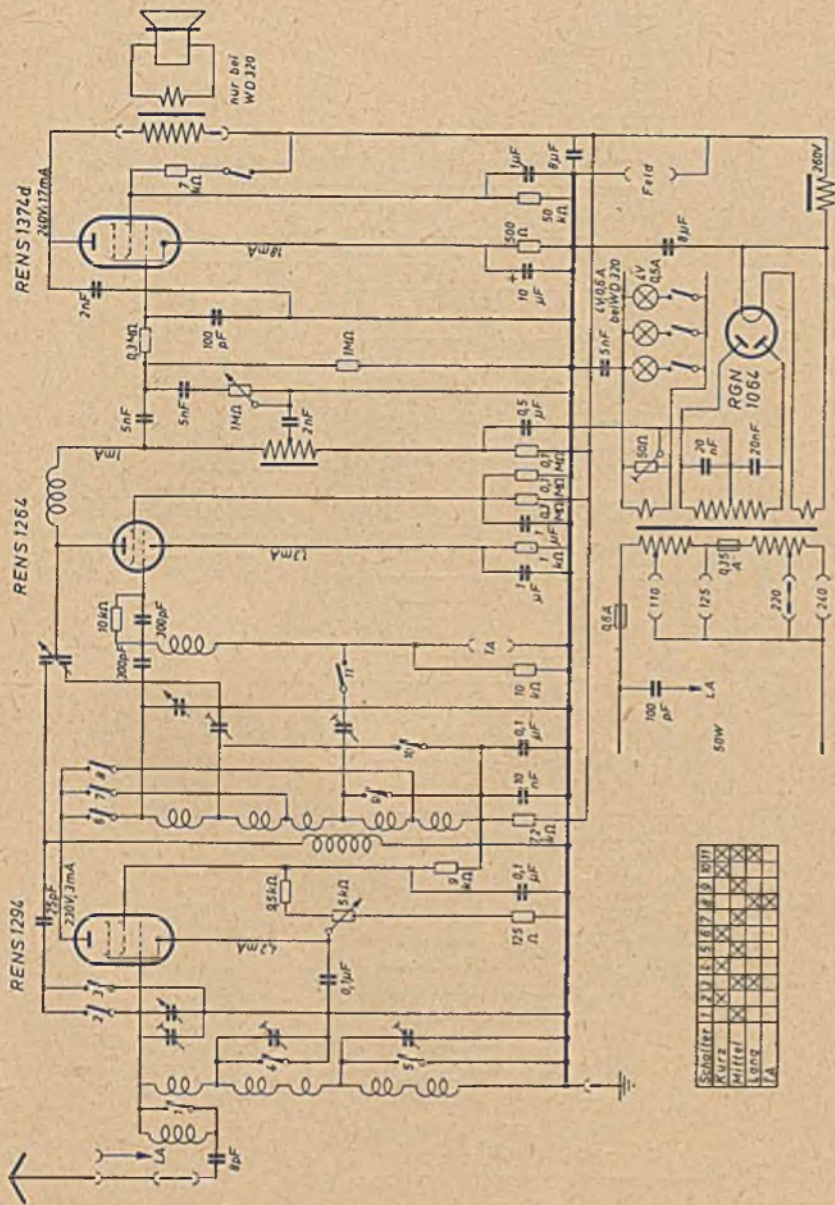
Schaltw.	1	2	3	4	5	6	7
Nullstr.	X	X	X	X	X	X	X
Lang	X	X	X	X	X	X	X
7A	X	X	X	X	X	X	X



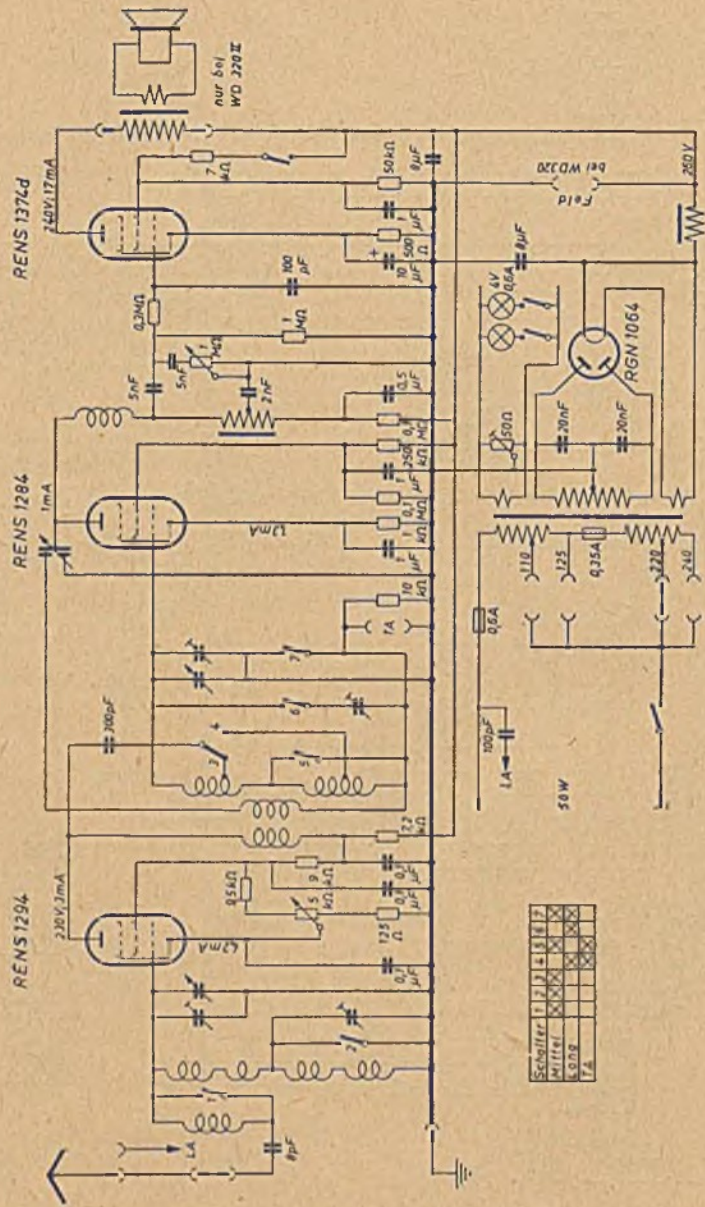
# Lumophon G 320 und GD 320

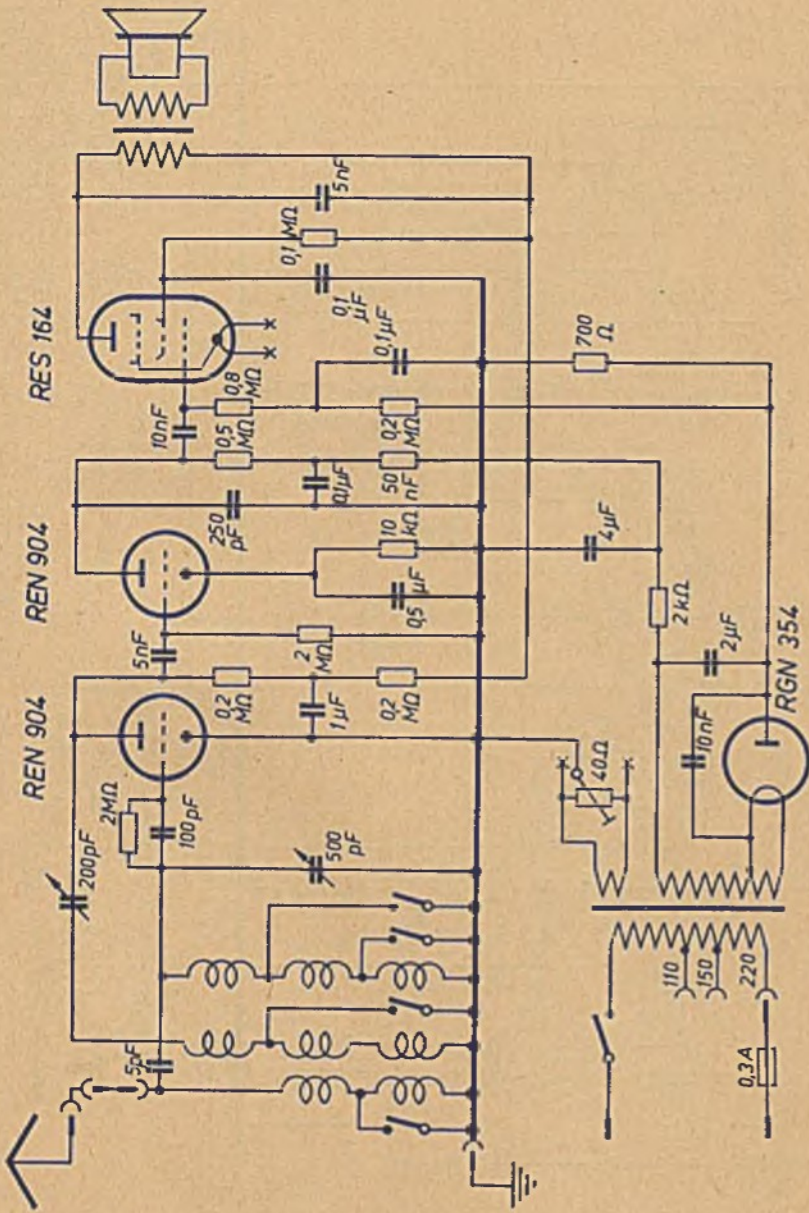


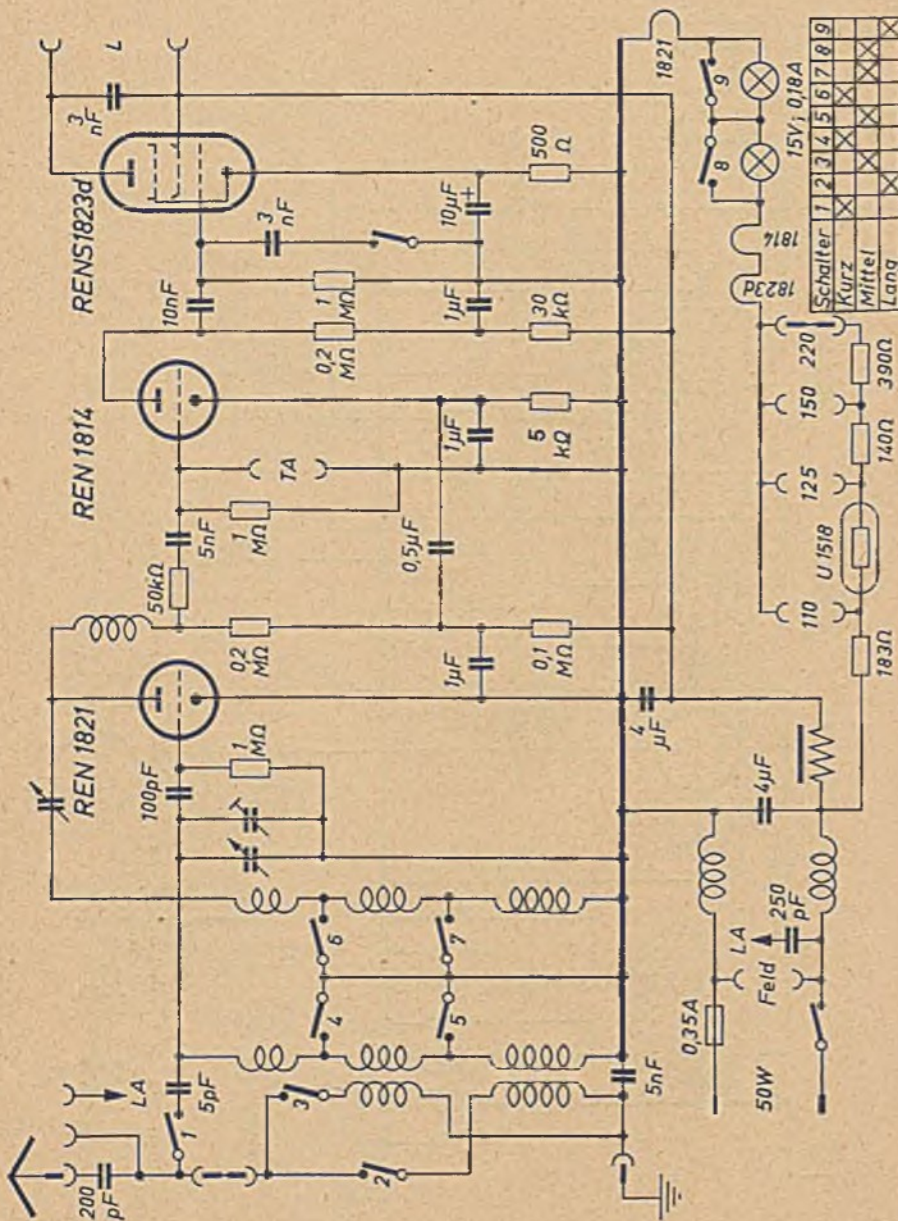




# Lumophon W 320 II und WD 320 II

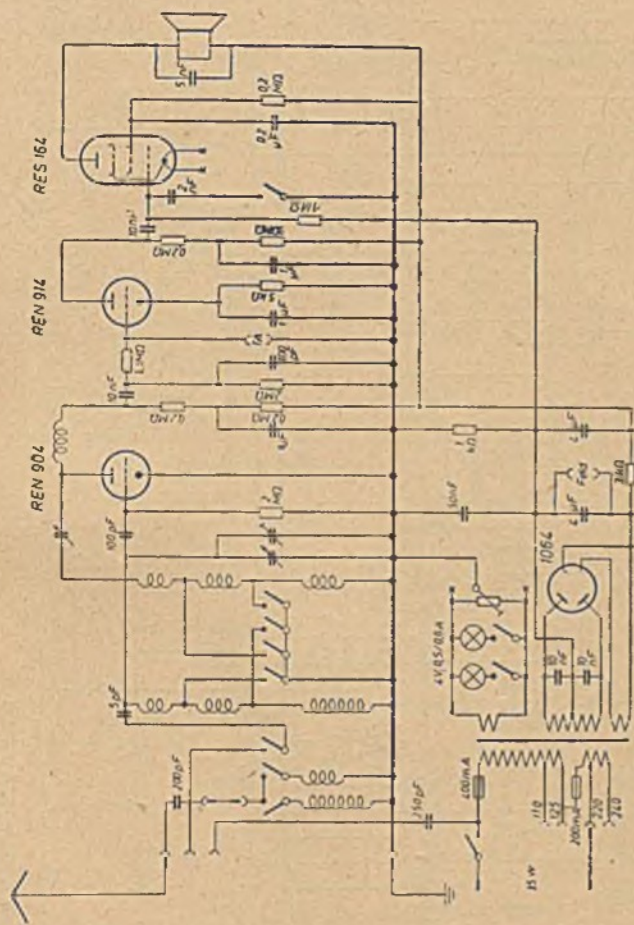


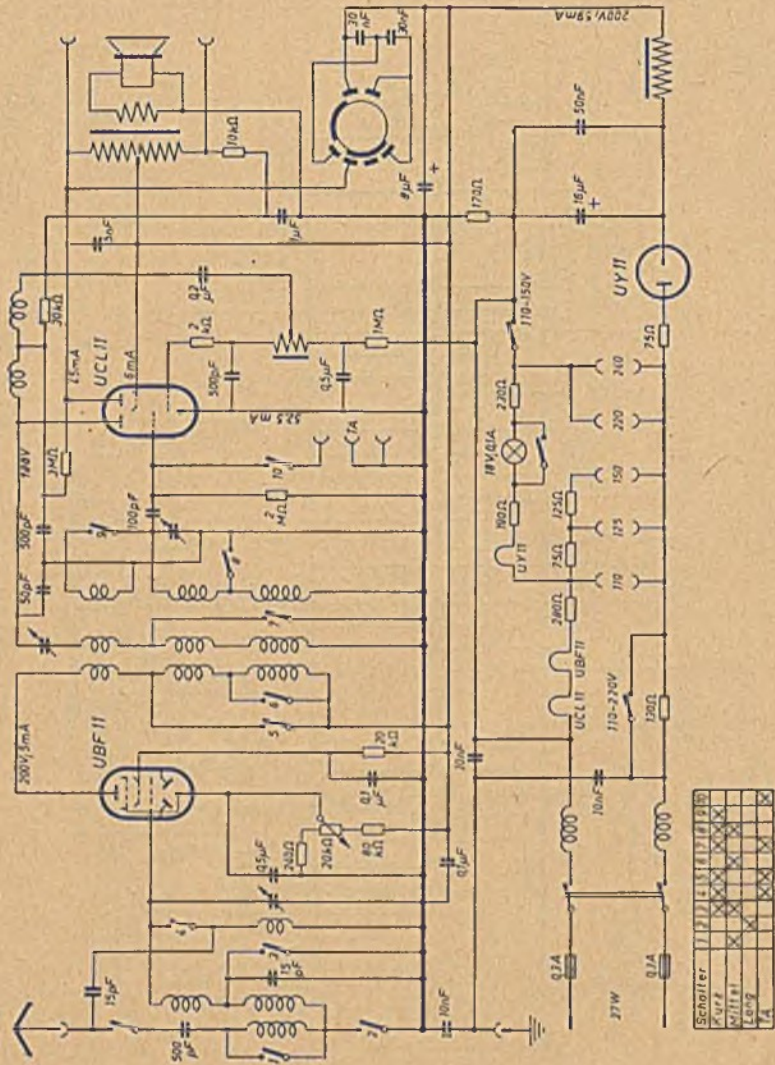




Schalter		1	2	3	4	5	6	7	8	9
1823d	Kurz	X	X	X	X	X	X	X	X	X
	Mittel	X	X	X	X	X	X	X	X	X
	Lang	X	X	X	X	X	X	X	X	X

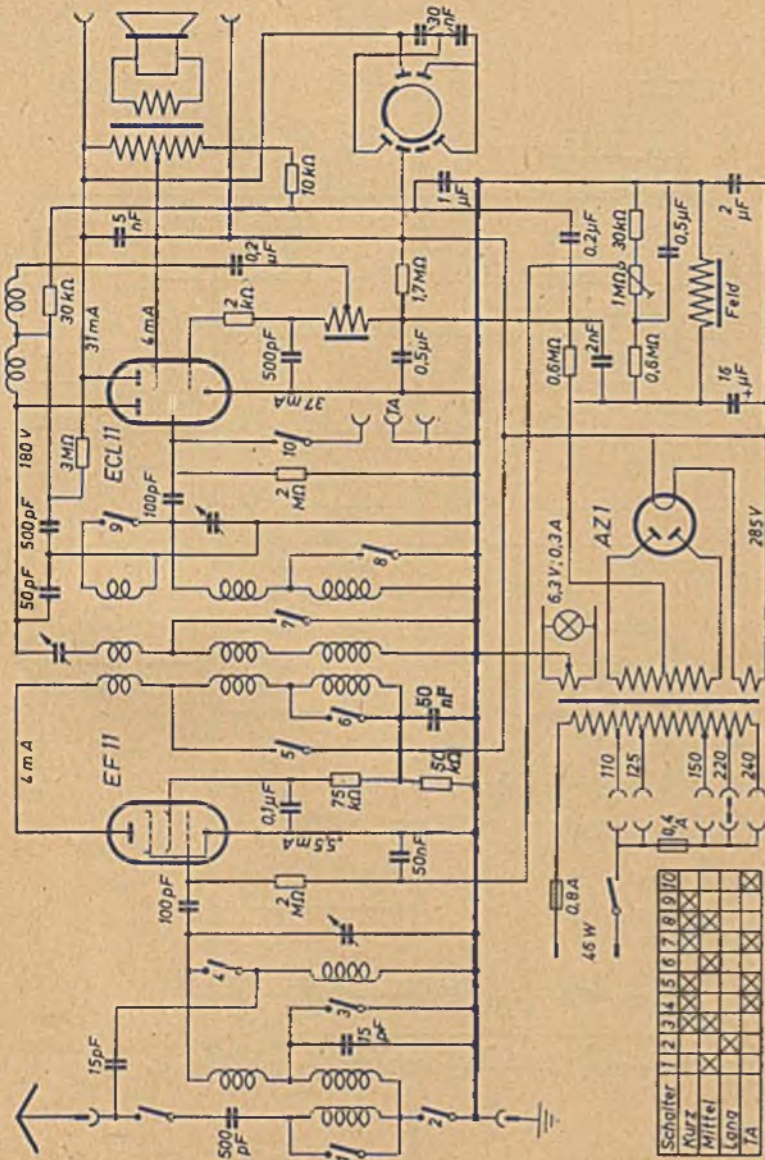
# Lumophon W 310 und WD 310



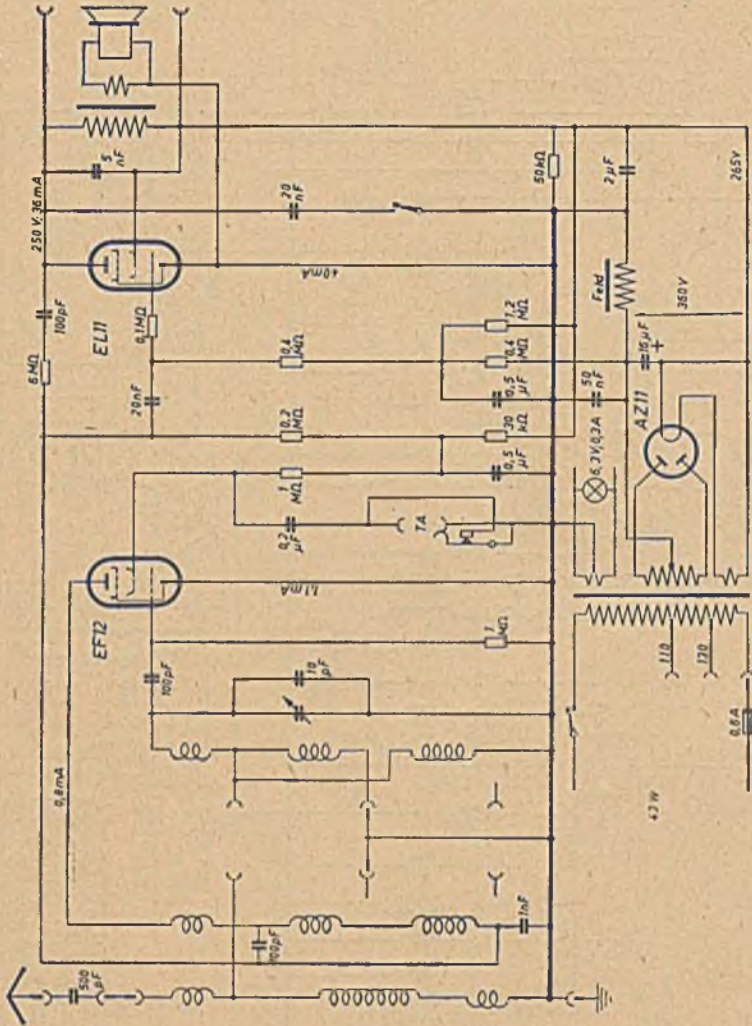


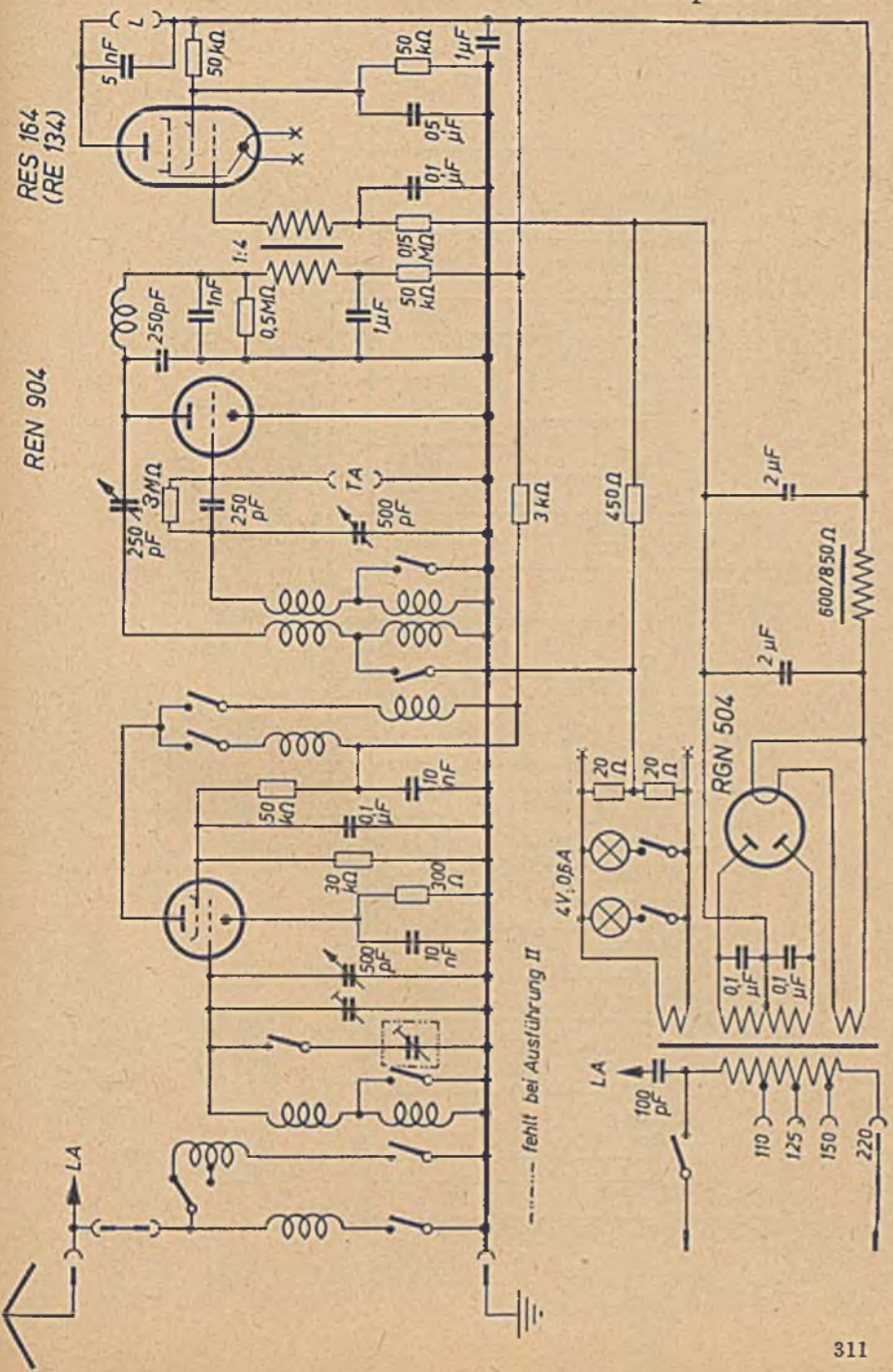
Schalter	1	2	3	4	5	6	7	8	9	10
Kurz	X	X	X	X	X	X	X	X	X	X
Mittel	X	X	X	X	X	X	X	X	X	X
Lang	X	X	X	X	X	X	X	X	X	X
TA	X	X	X	X	X	X	X	X	X	X





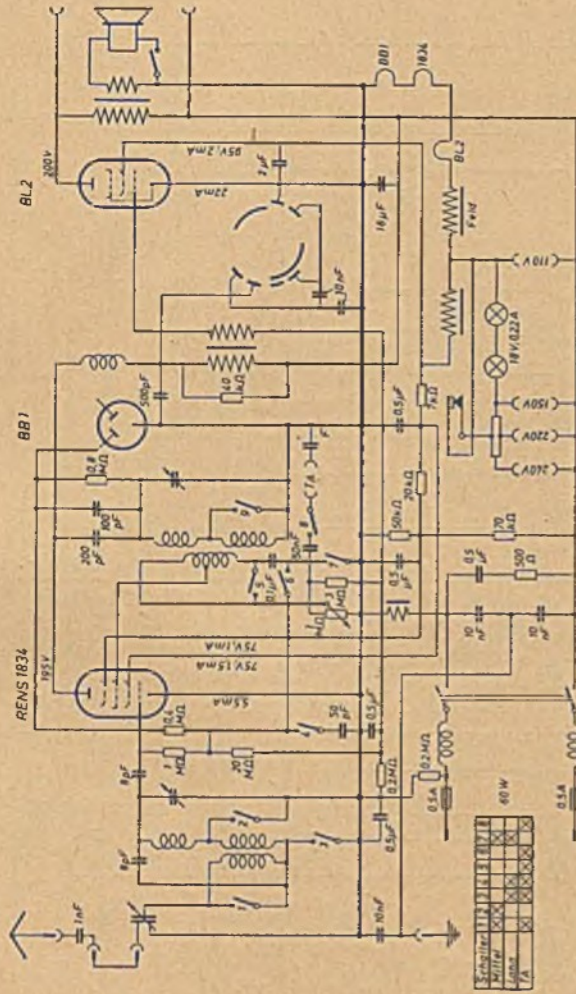
# Lumophon WD 301 Viktoria





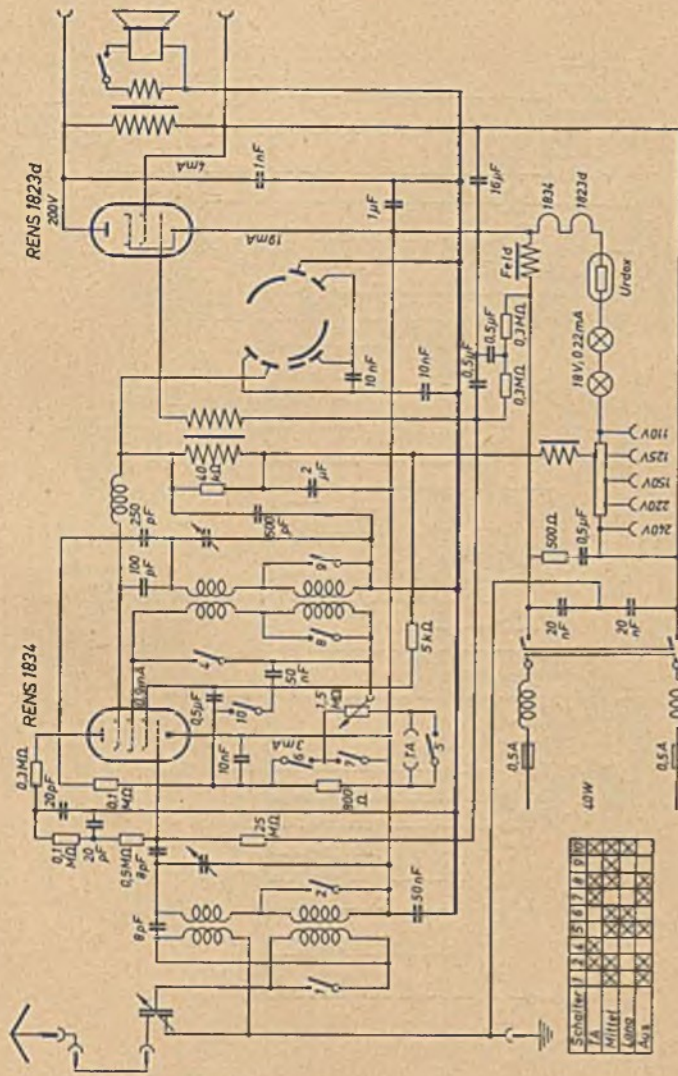


# Lumophon BG 220 Burggraf





# Lumophon GD 220 Burggraf



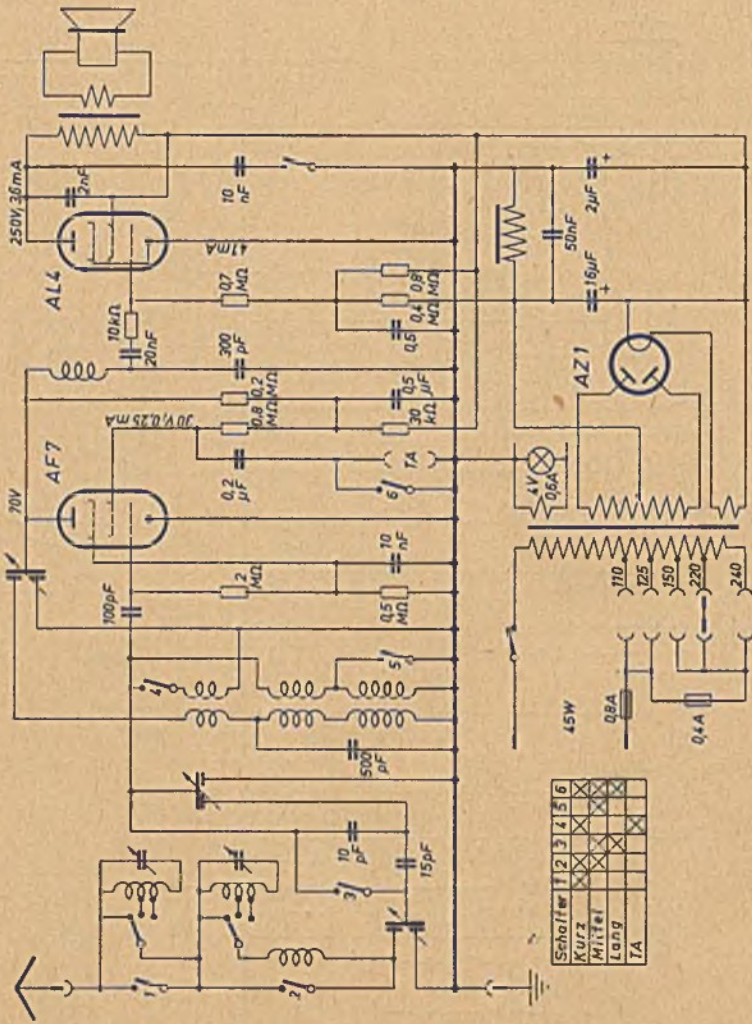


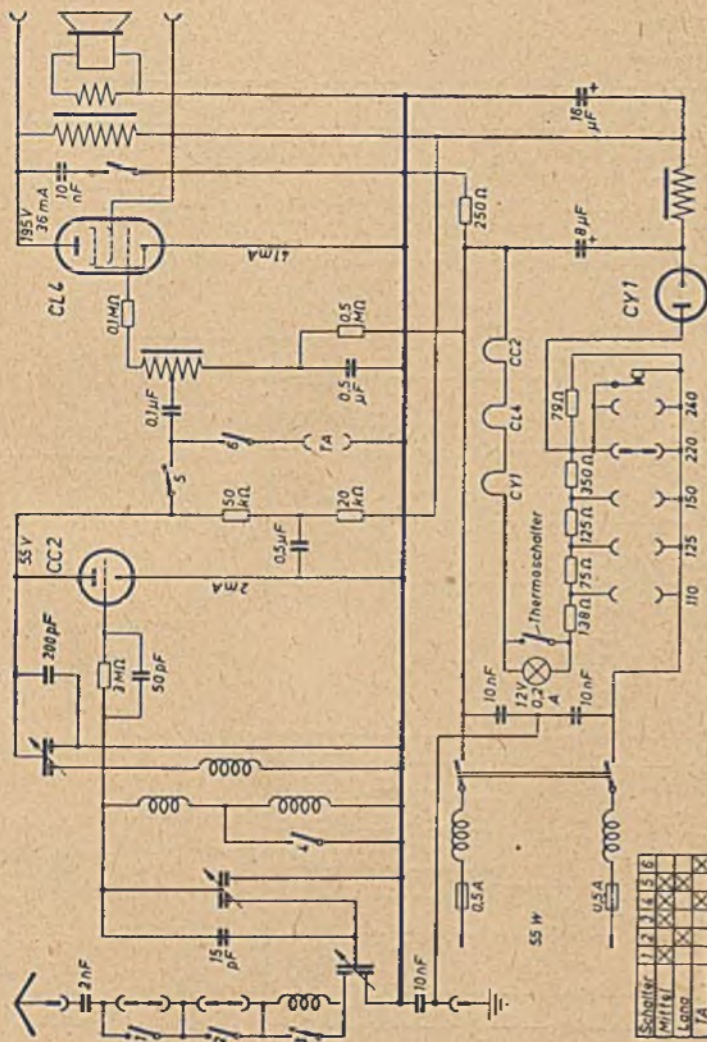


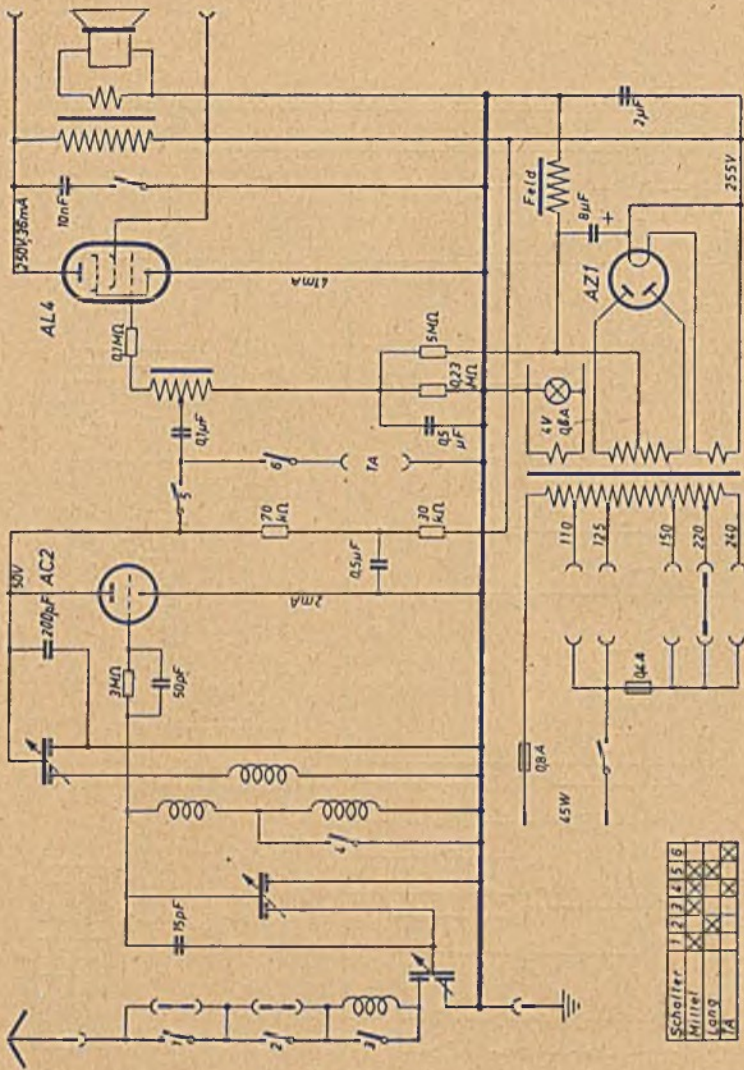




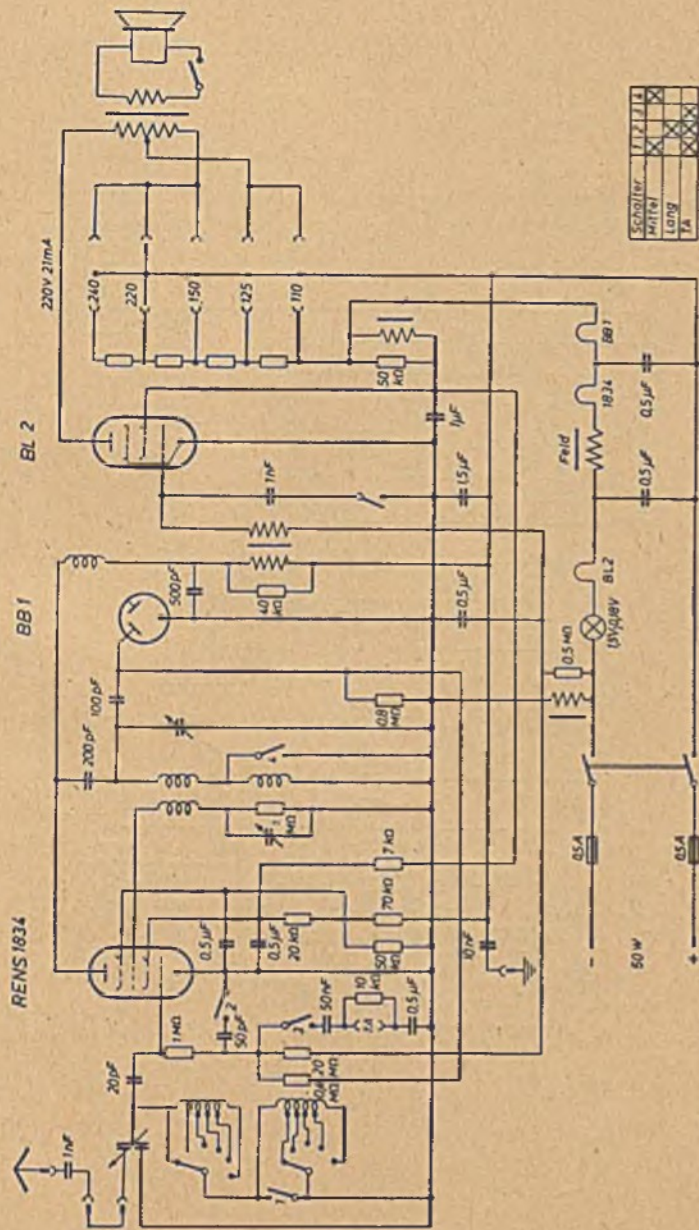


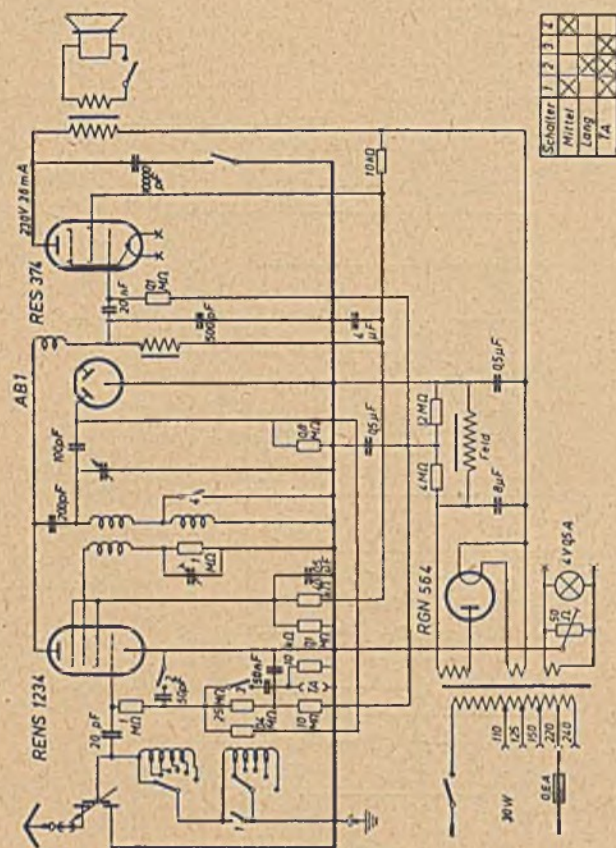






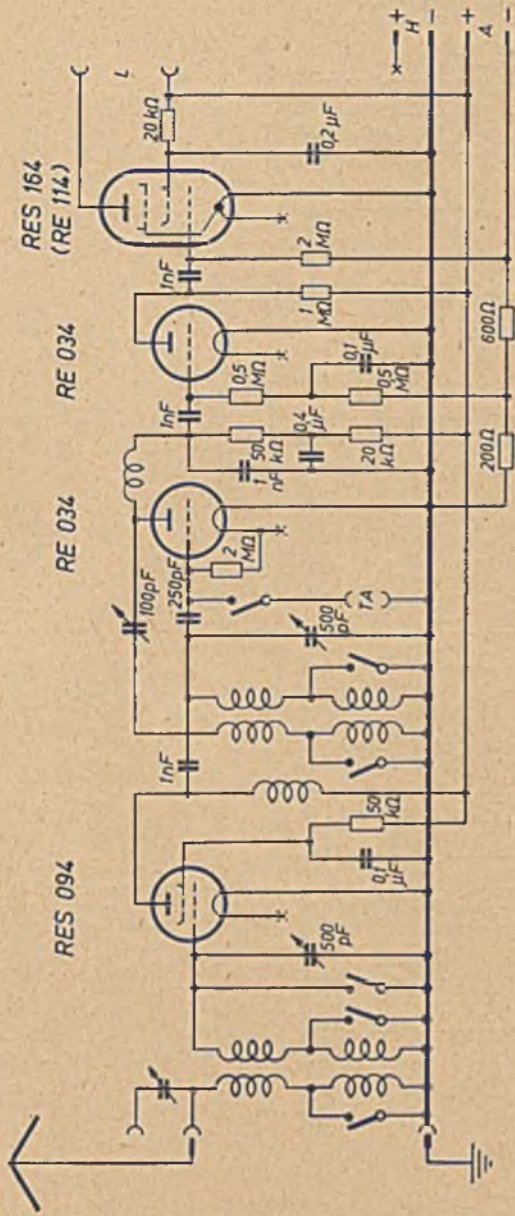
Schalter	1	2	3	4	5	6
Mittel						
Lang						
TA						



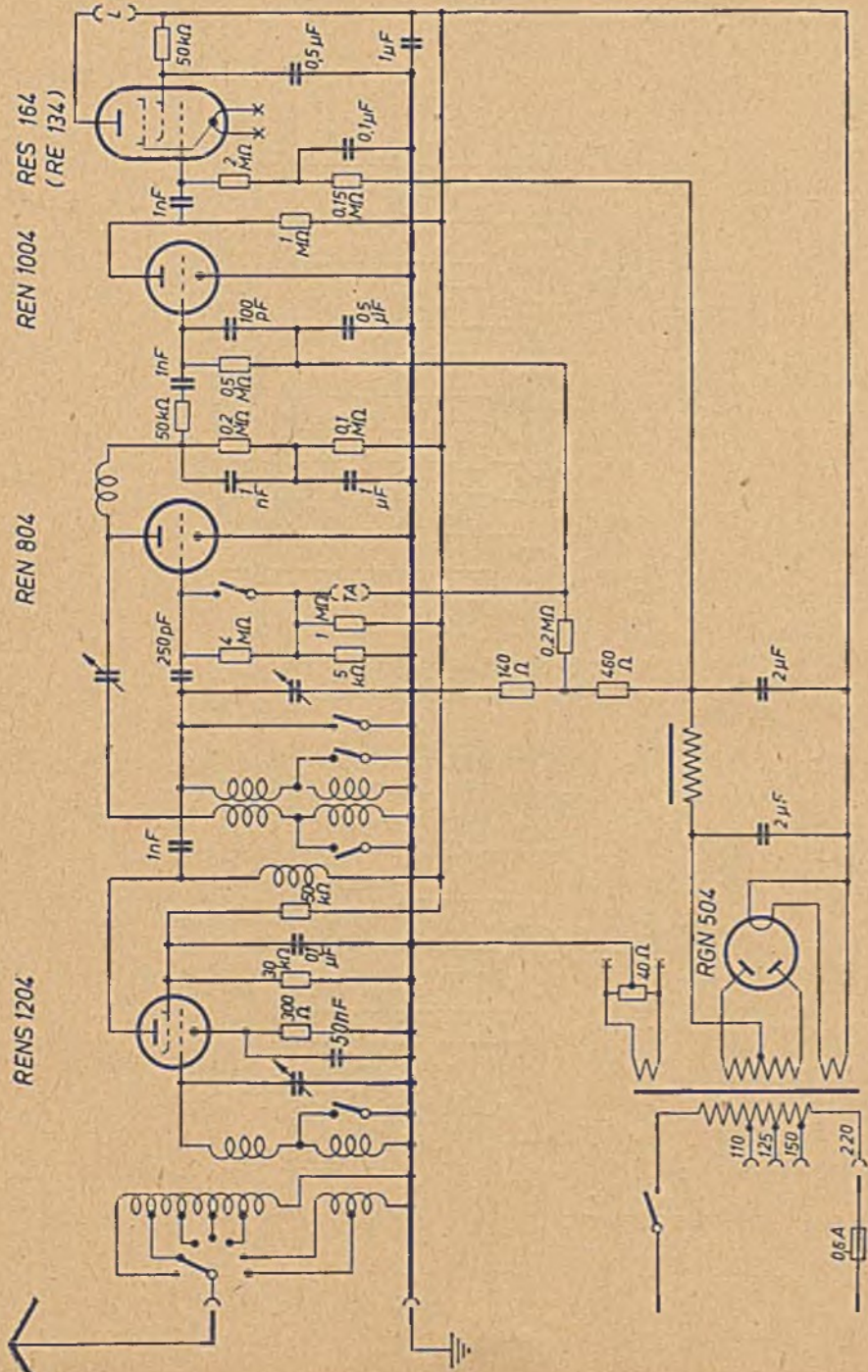


Schalter	1	2	3	4
Mittel	X	X	X	X
Lang	X	X	X	X
TA	X	X	X	X



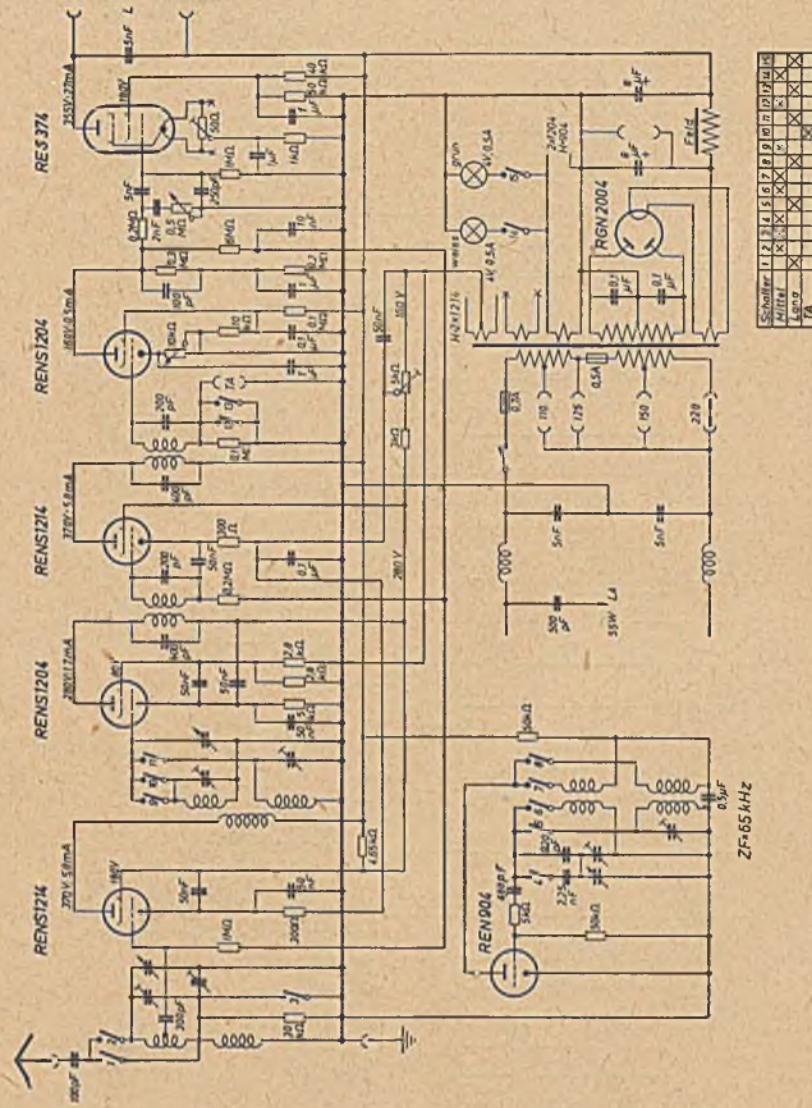


Lumophon W 100

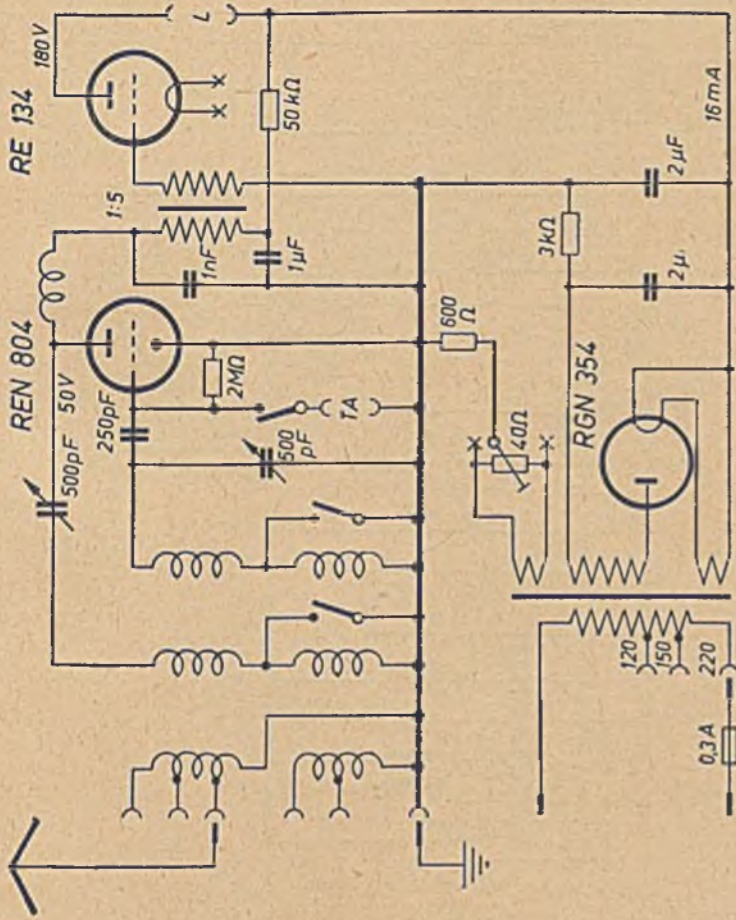




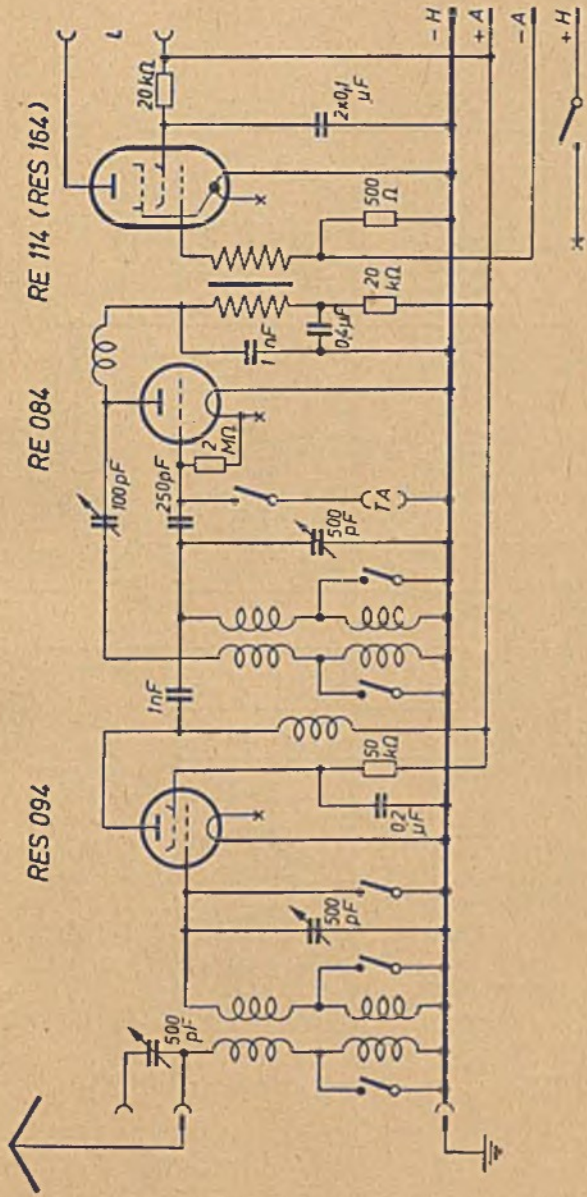
# Lumophon W 76 und WD 76

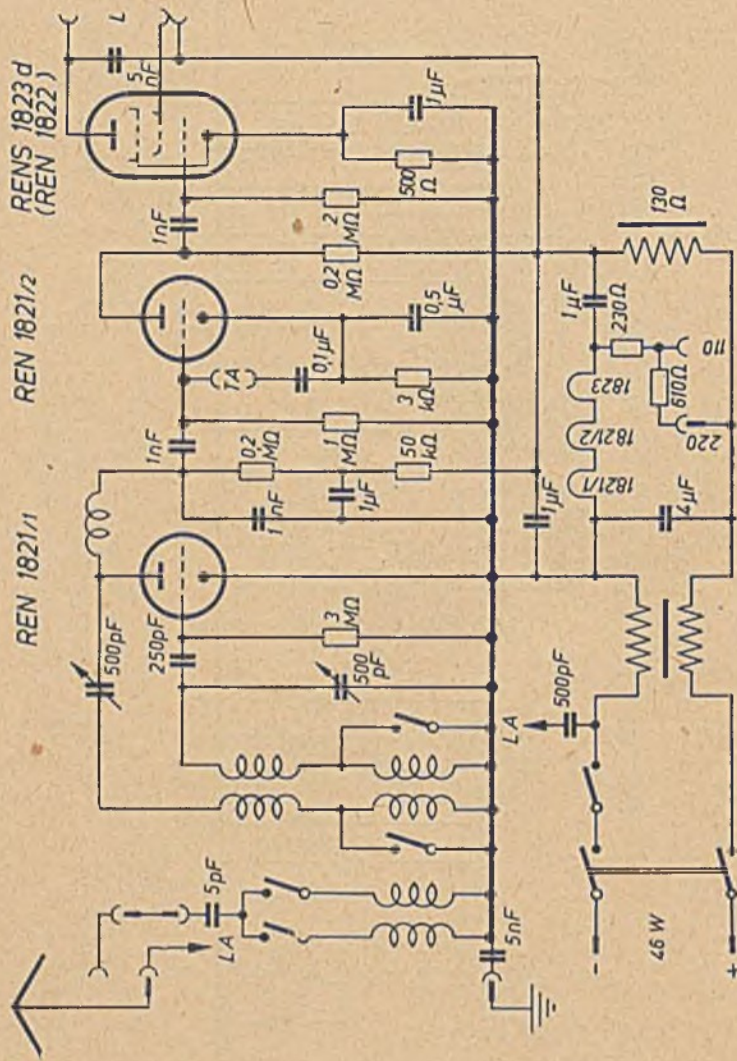


Schalter	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Wahl	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Logo	X	X	X	X	X	X	X	X	X	X	X	X	X	X
TA	X	X	X	X	X	X	X	X	X	X	X	X	X	X

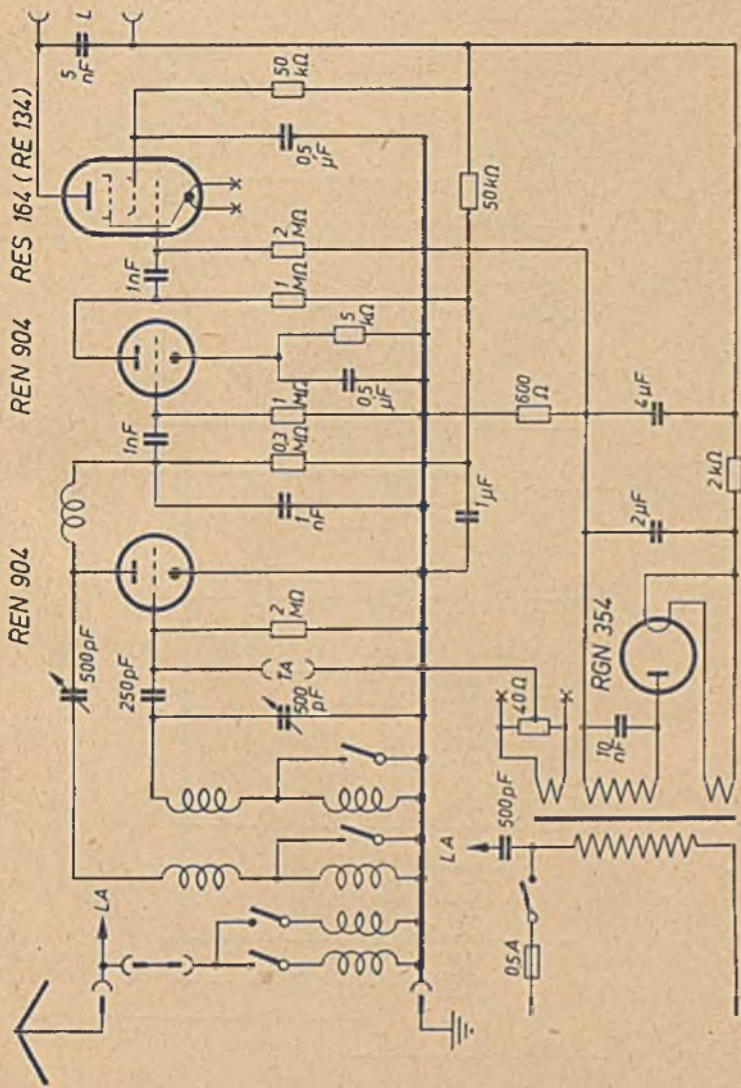


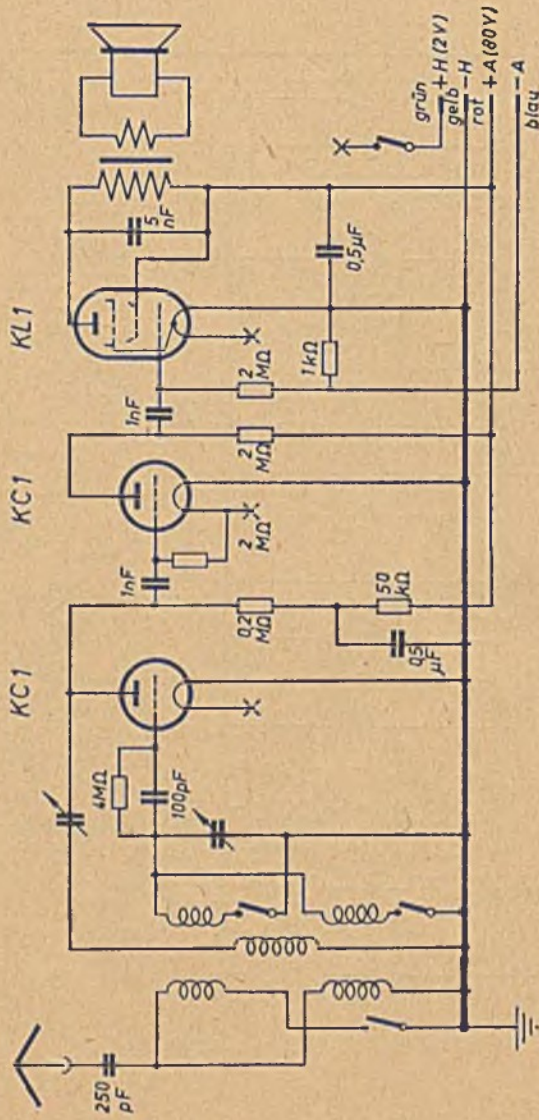


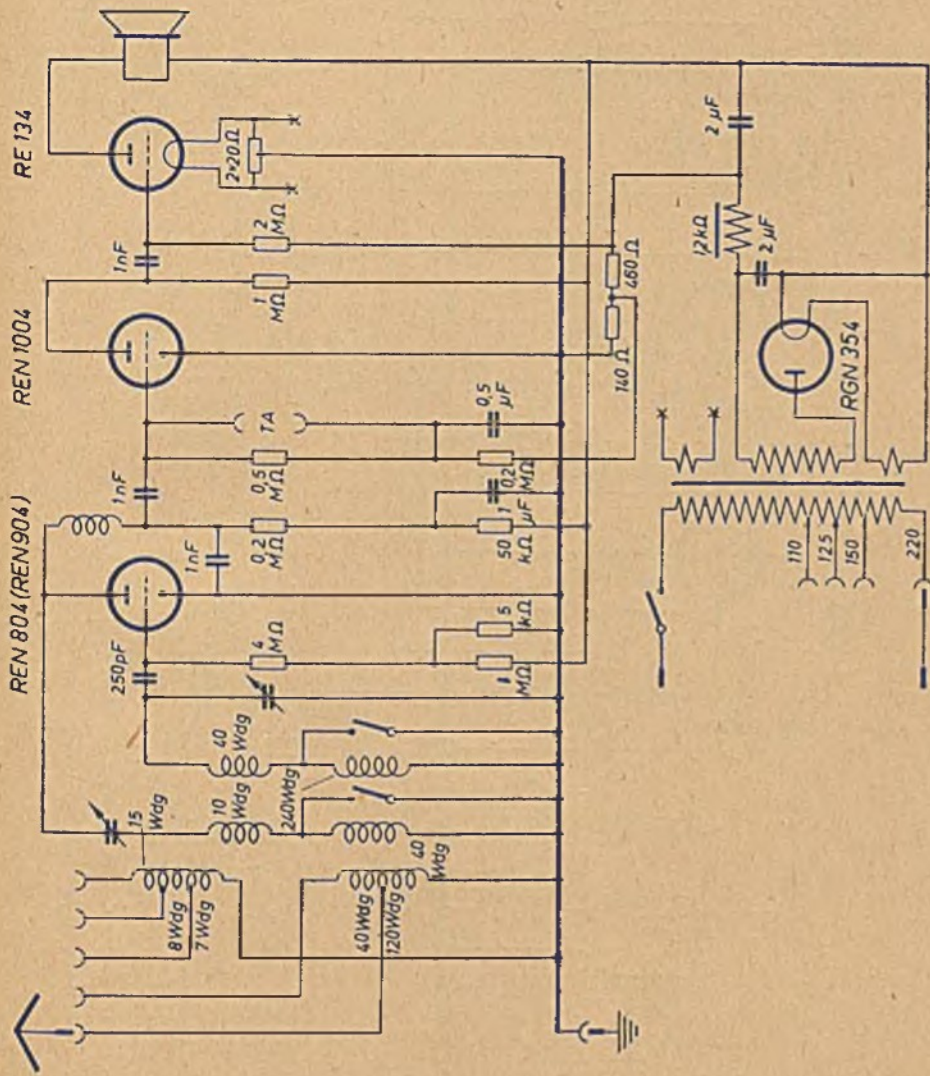


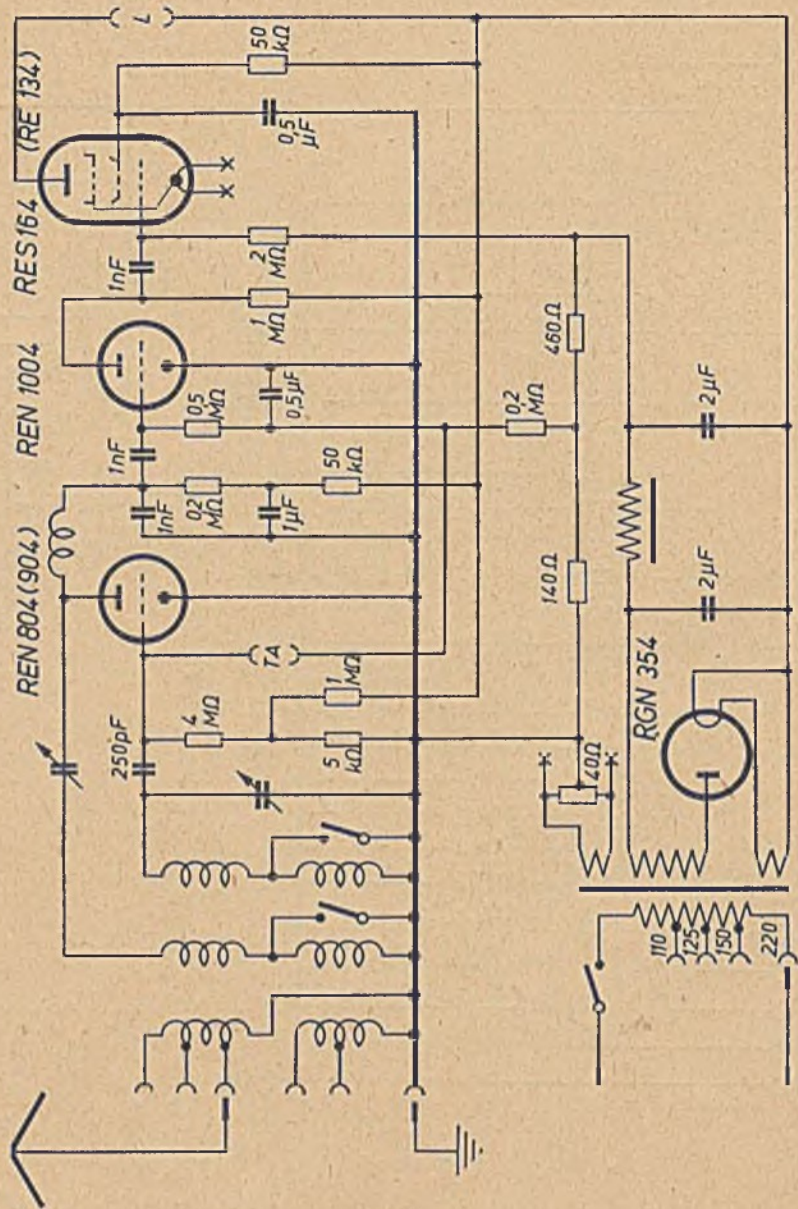


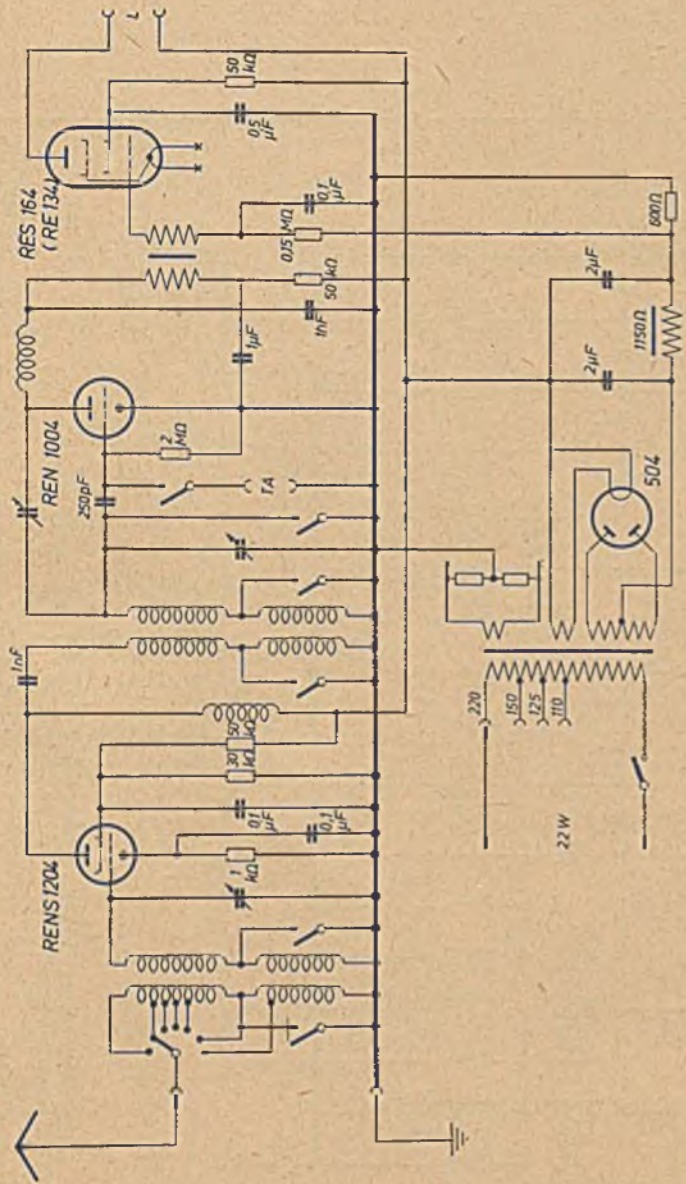


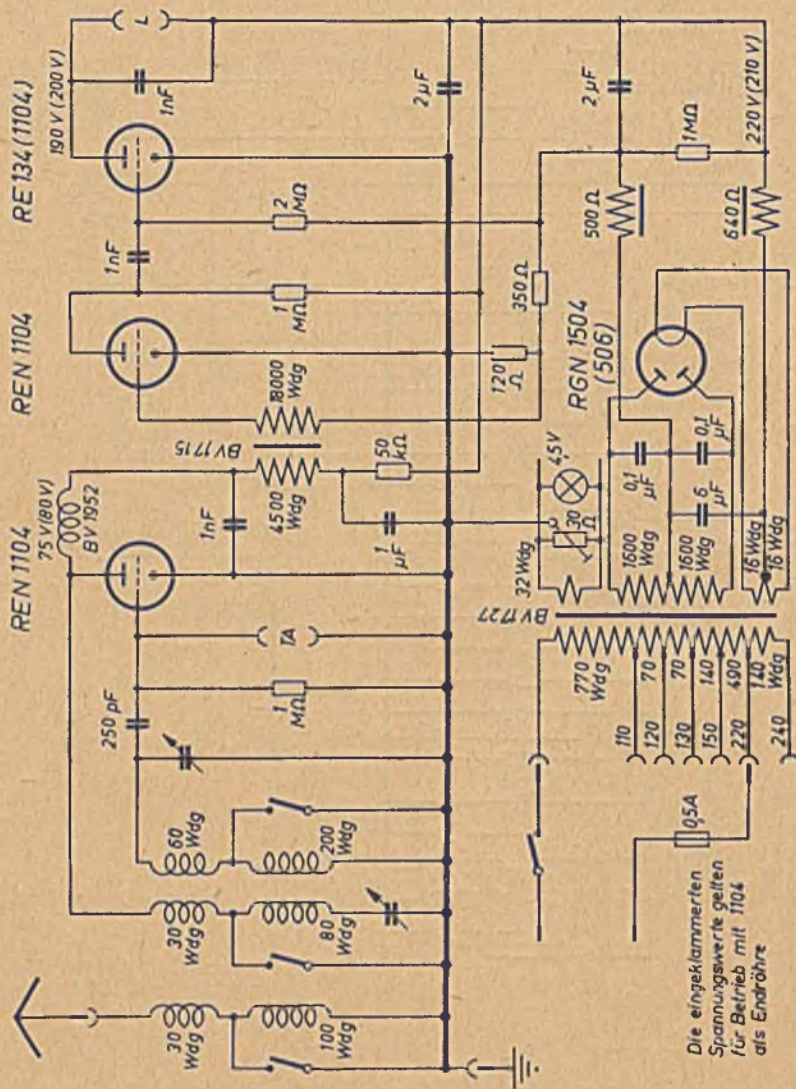






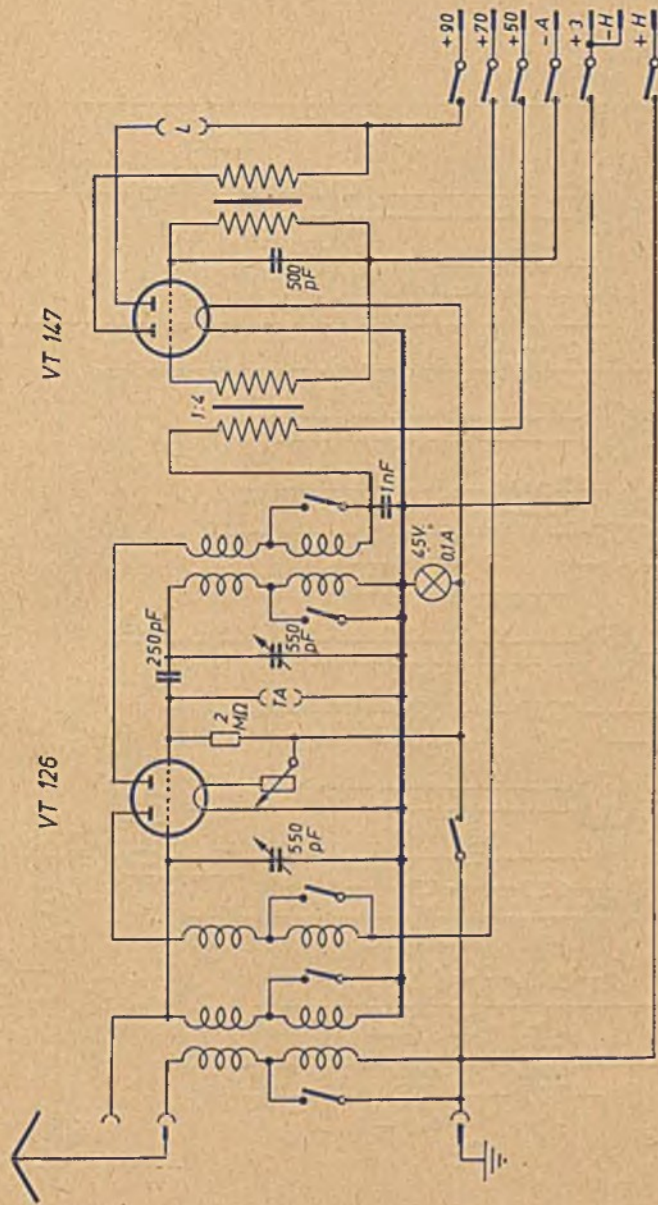






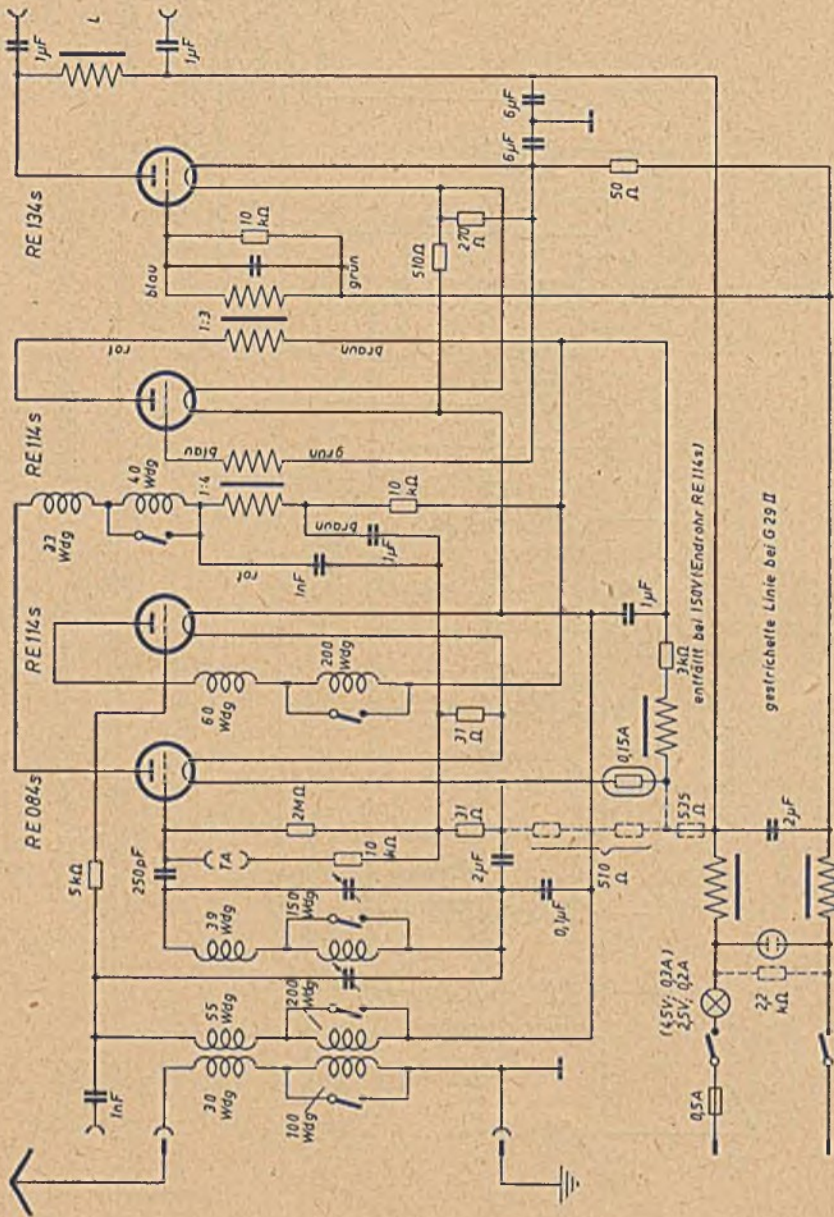
Die eingeklammerten Spannungswerte gelten für Betrieb mit 1104 als Endröhre

# Lumophon D 29 (Standard 2) und D 2 (Standard)

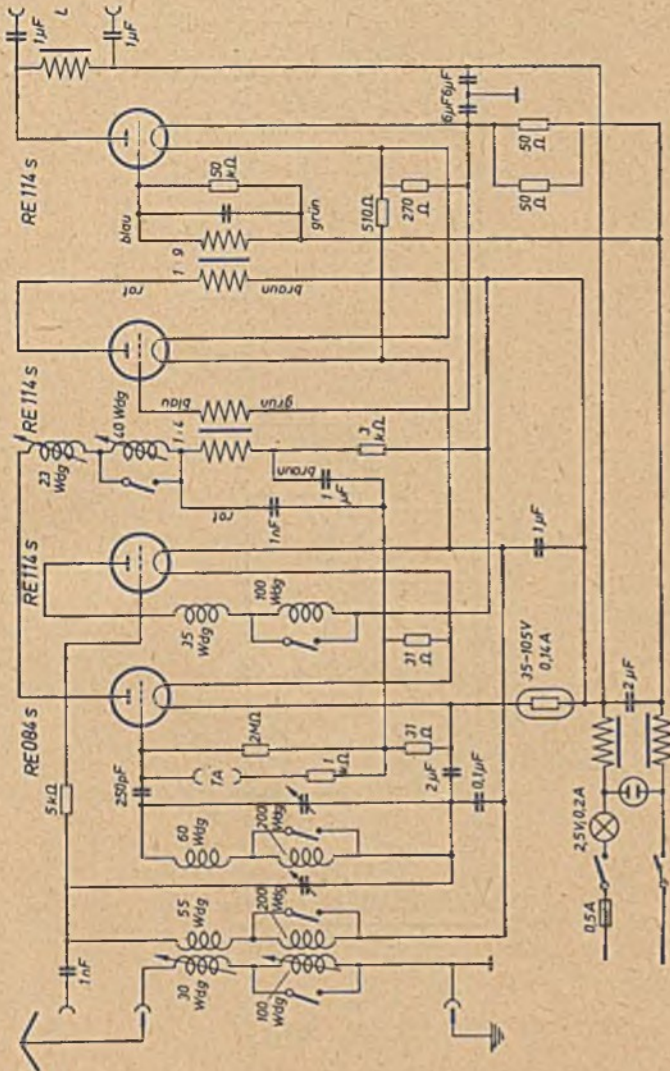


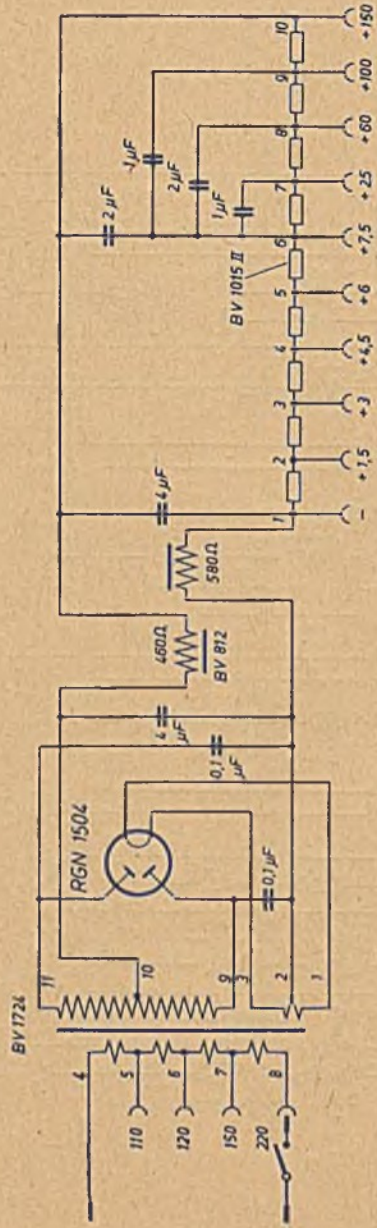
D 29 ohne Heizregler

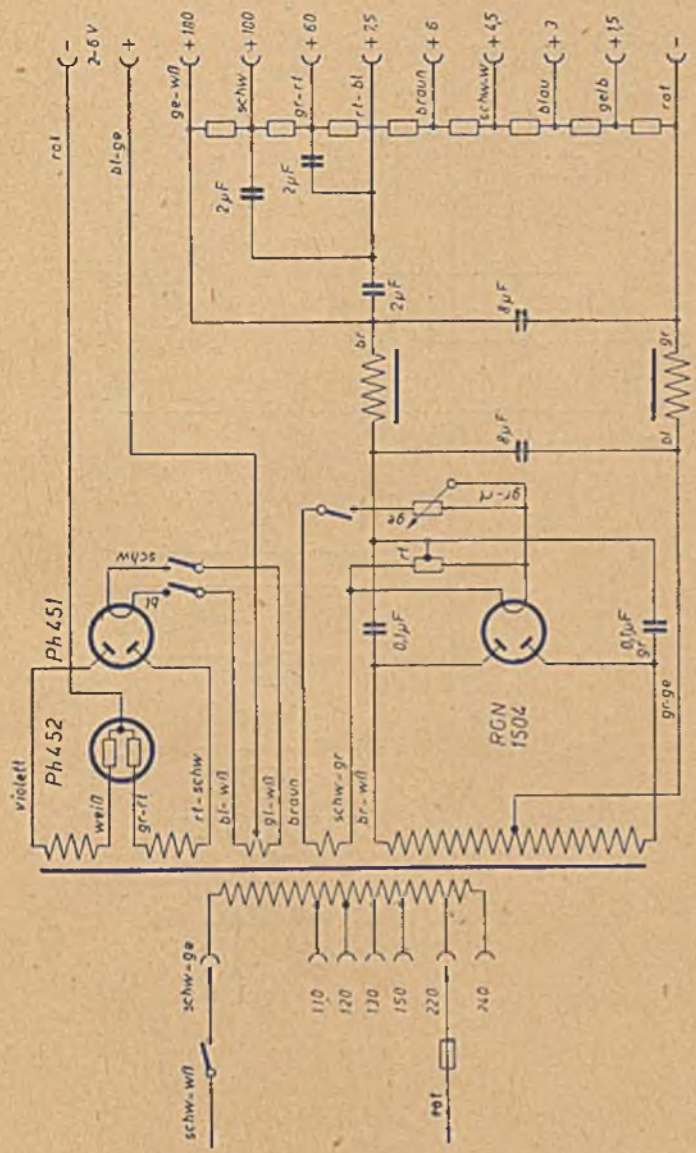
D 2 ohne Skalenlampe



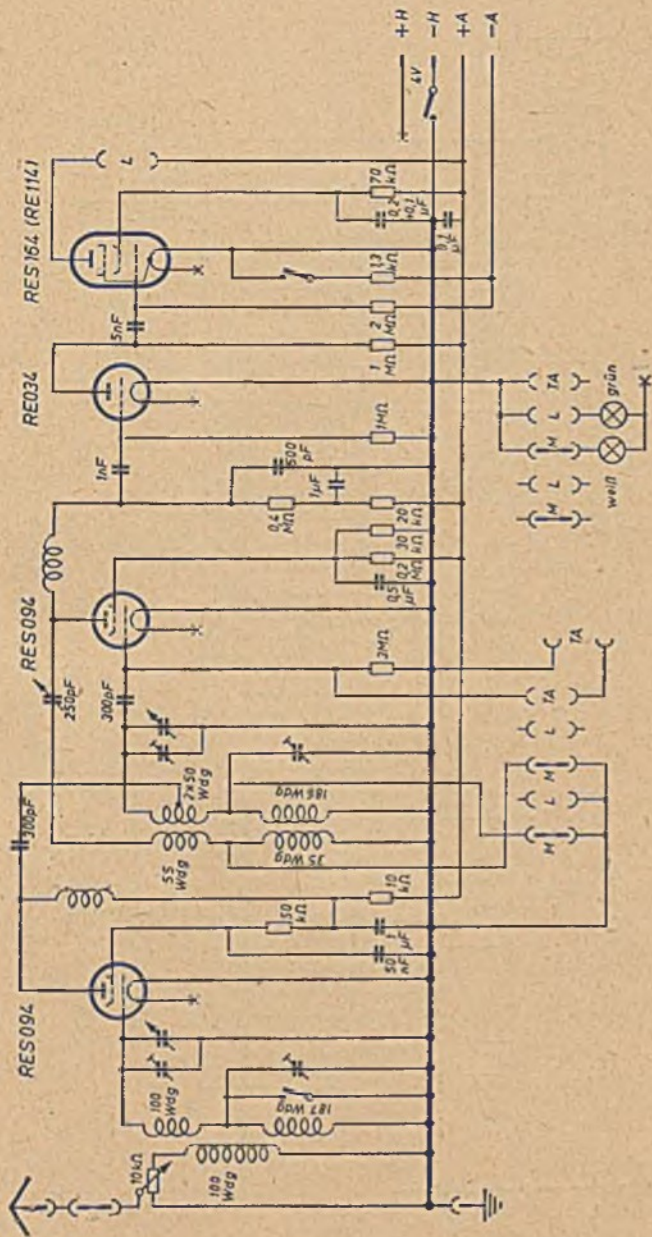






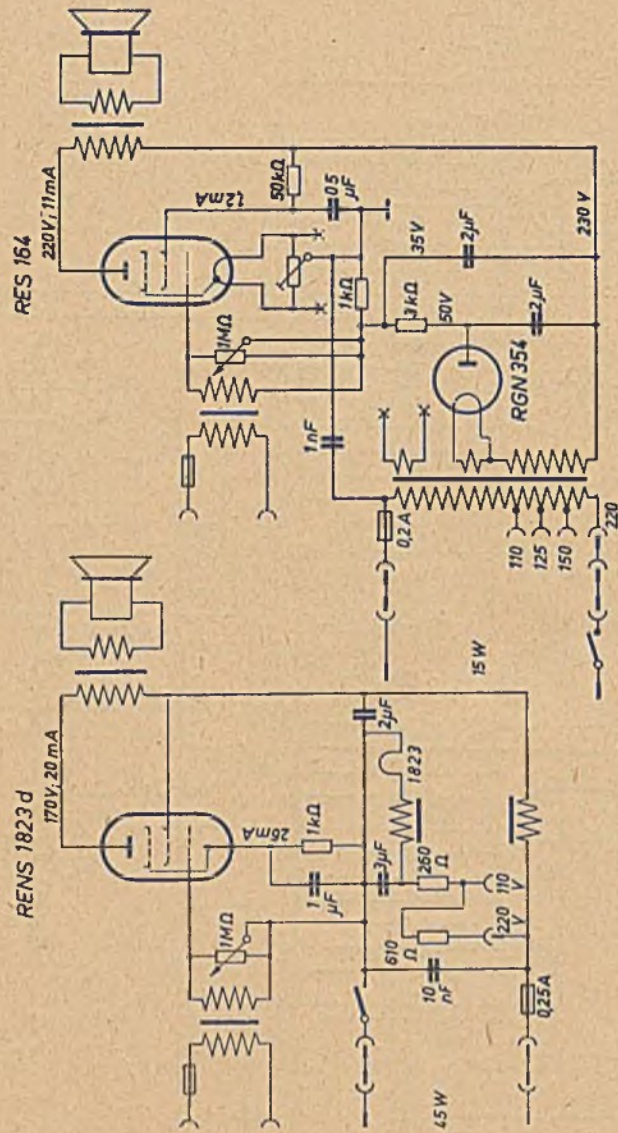




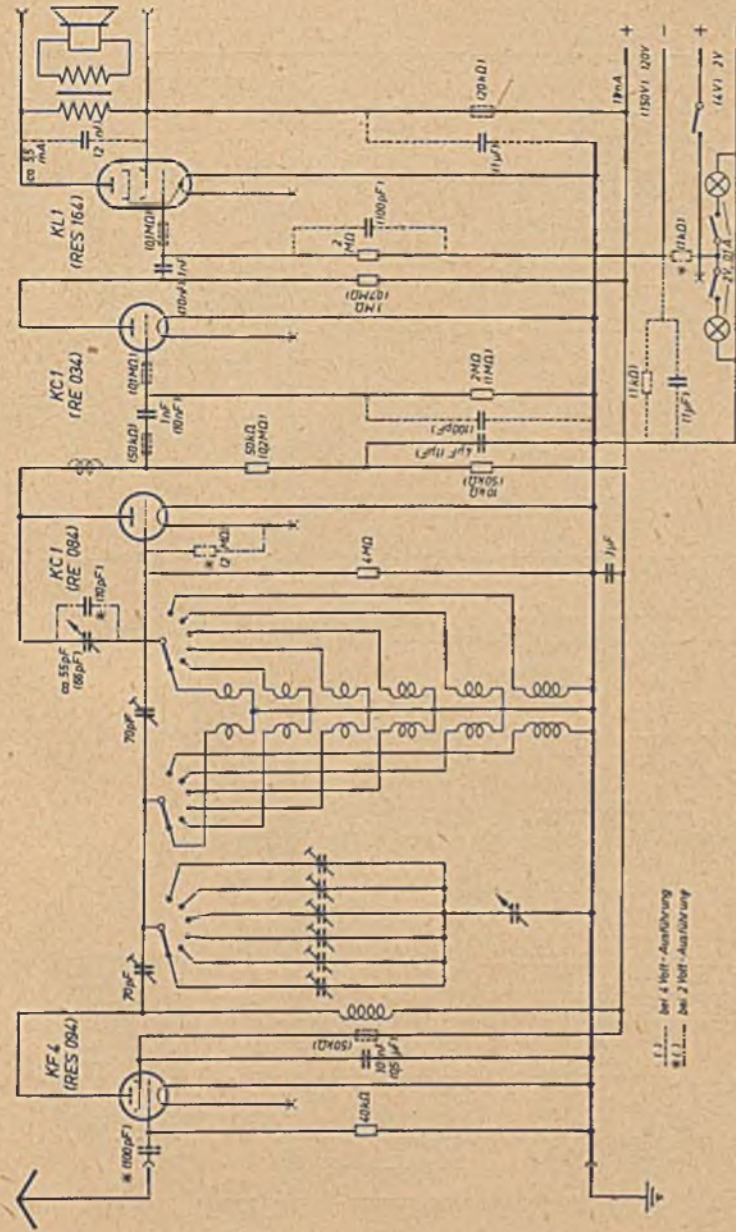




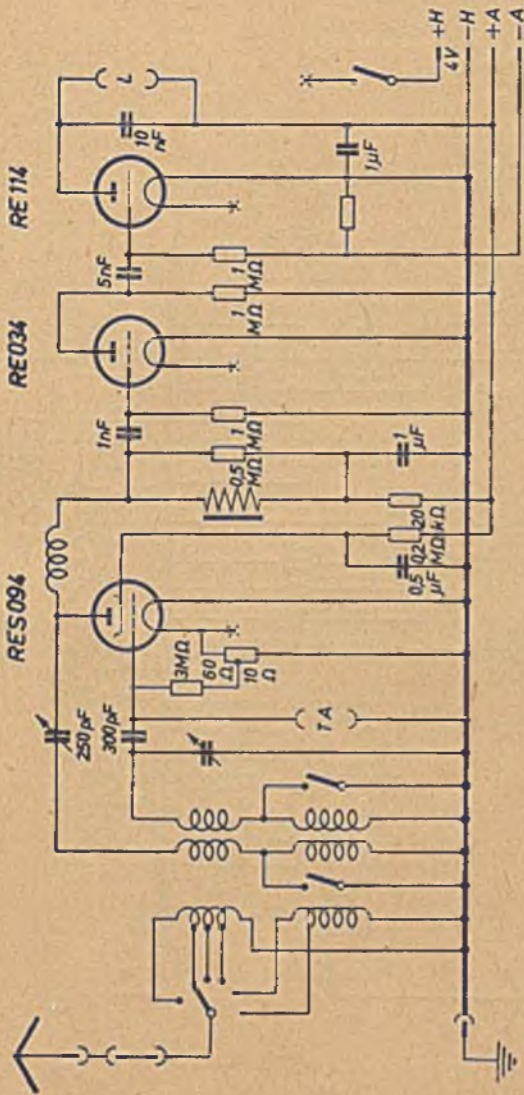


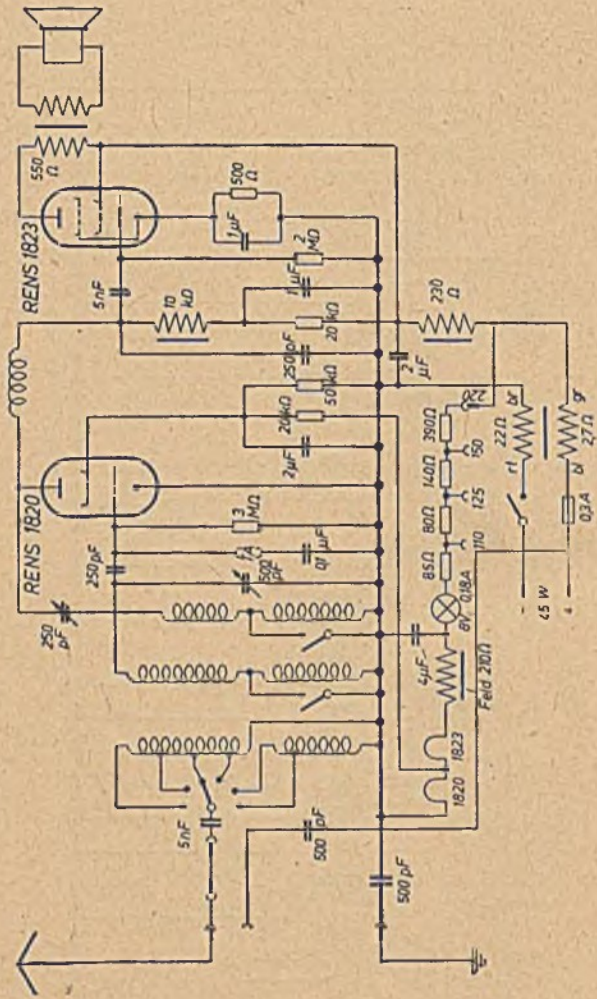




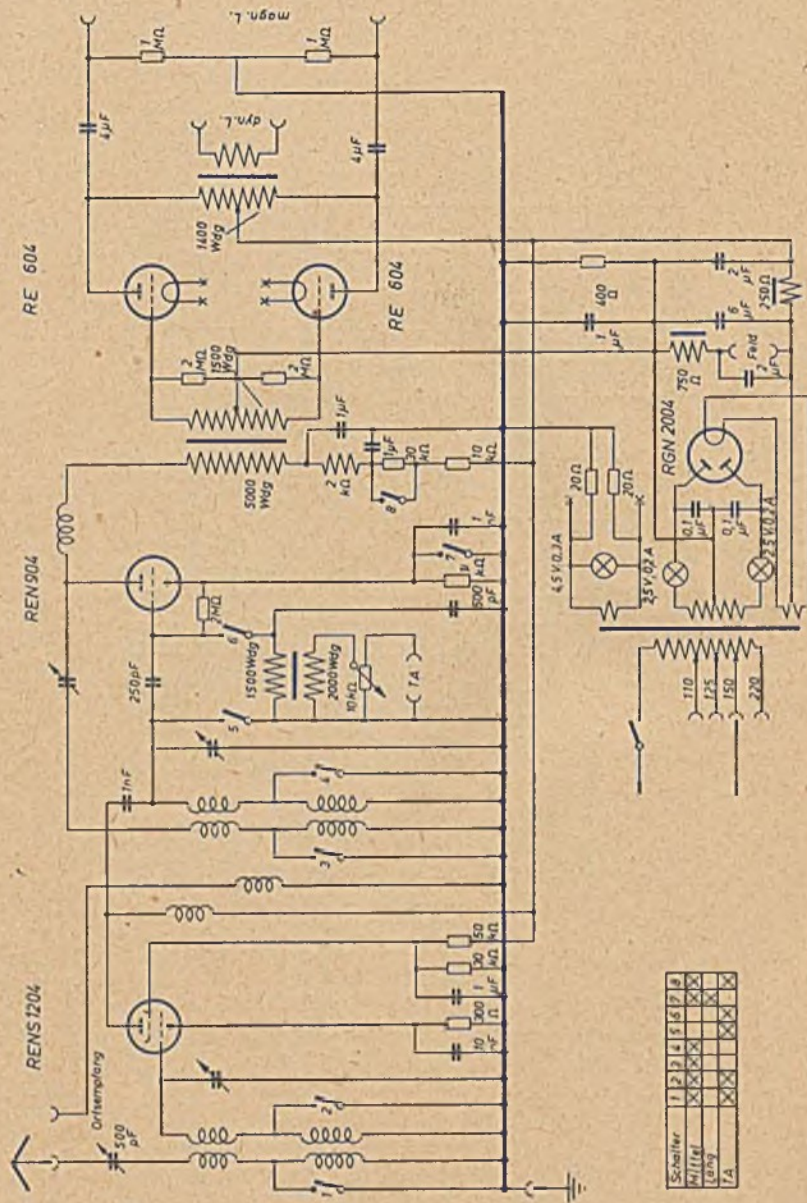






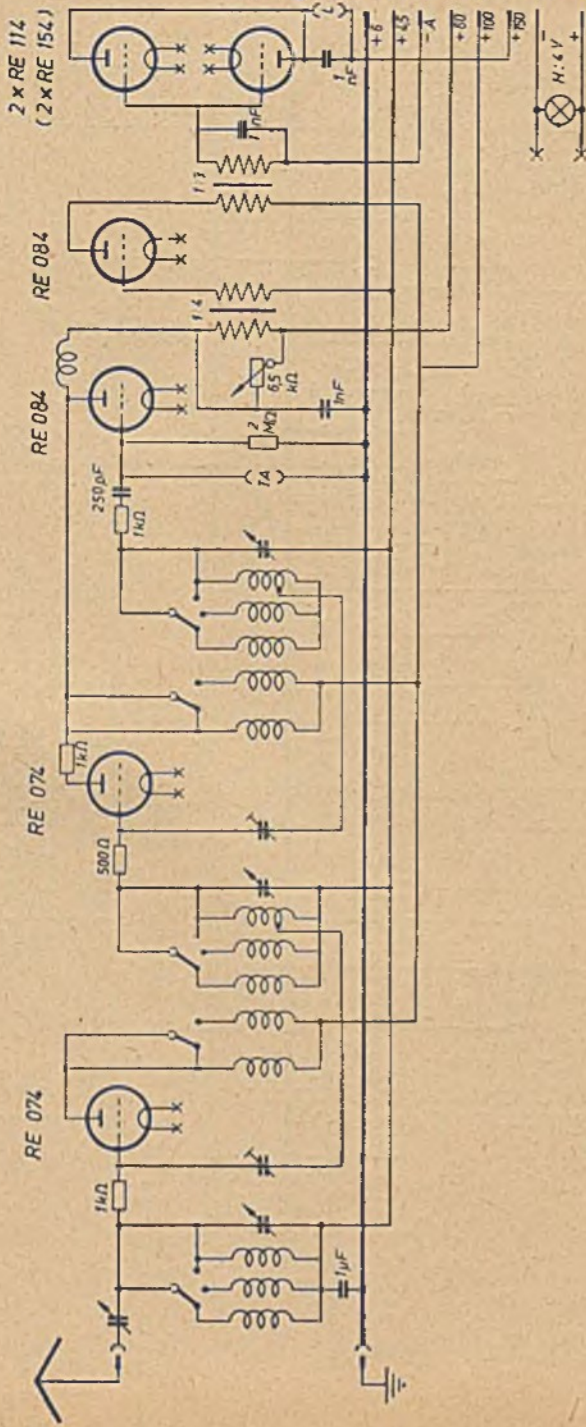


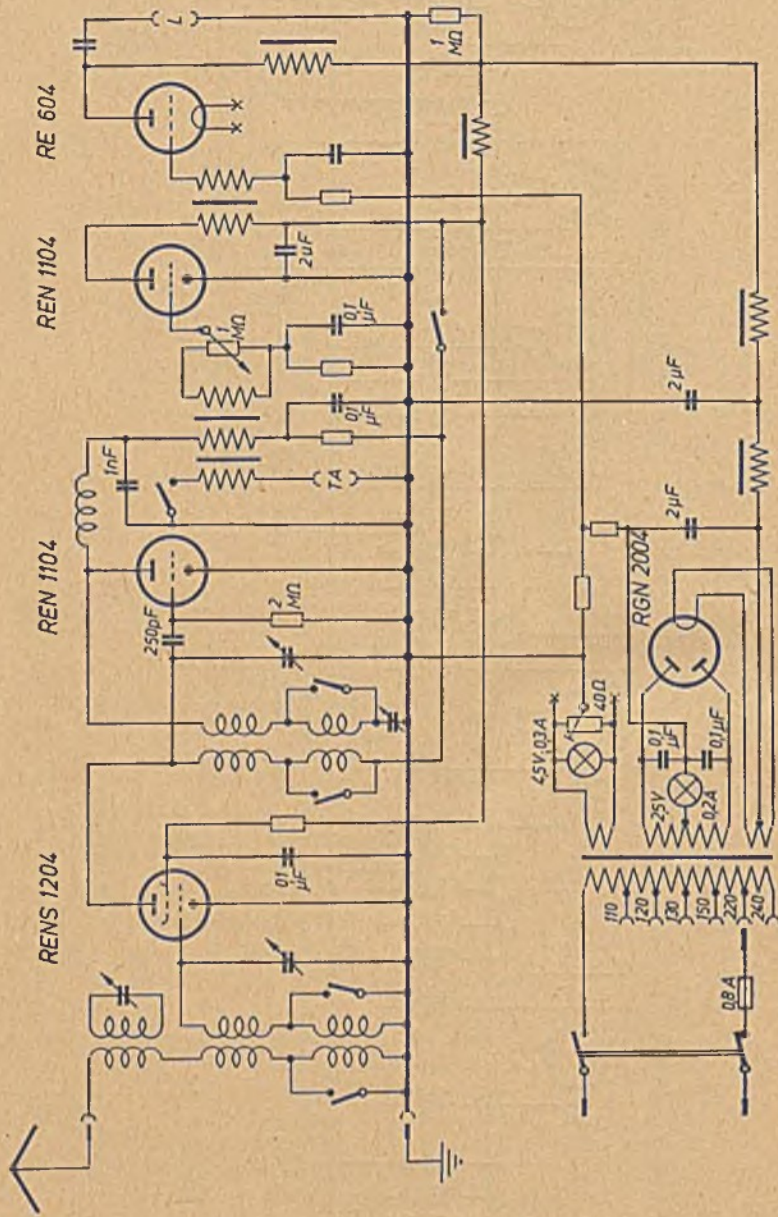




Schalter	1	2	3	4	5	6	7	8
Mittel	×	×	×	×	×	×	×	×
Lang	×	×	×	×	×	×	×	×
TA	×	×	×	×	×	×	×	×

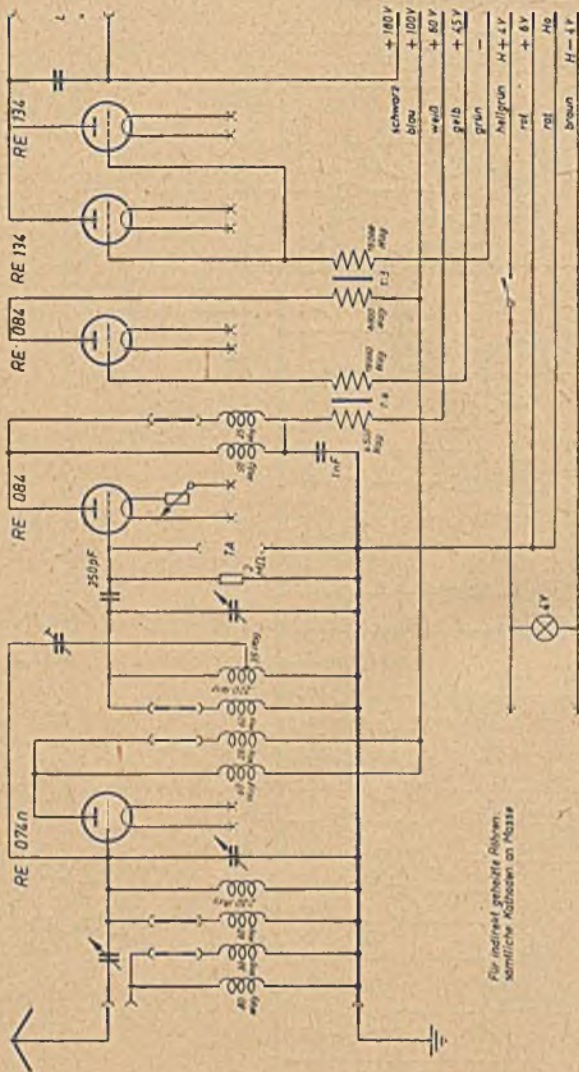
# Lumophon 5 K Meistersinger

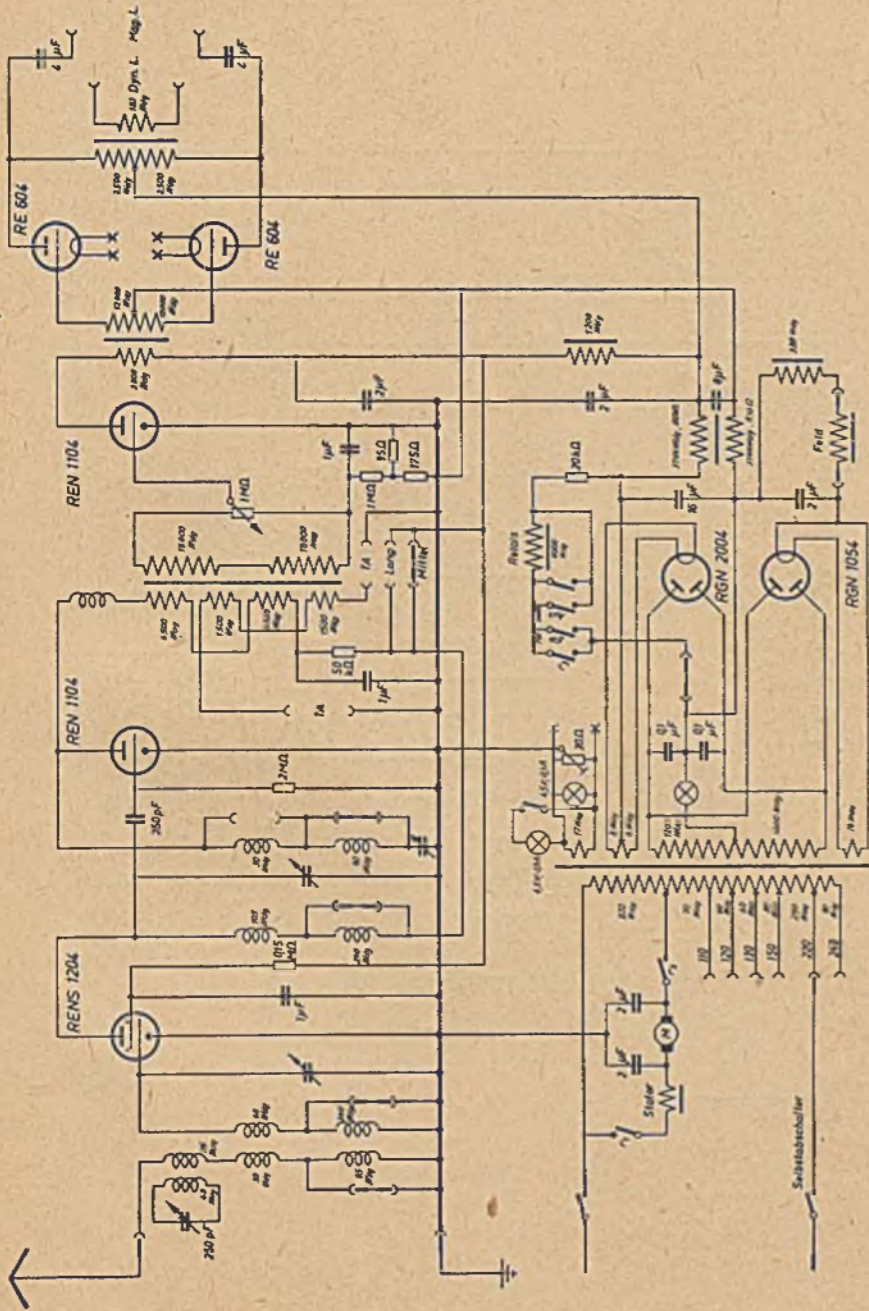


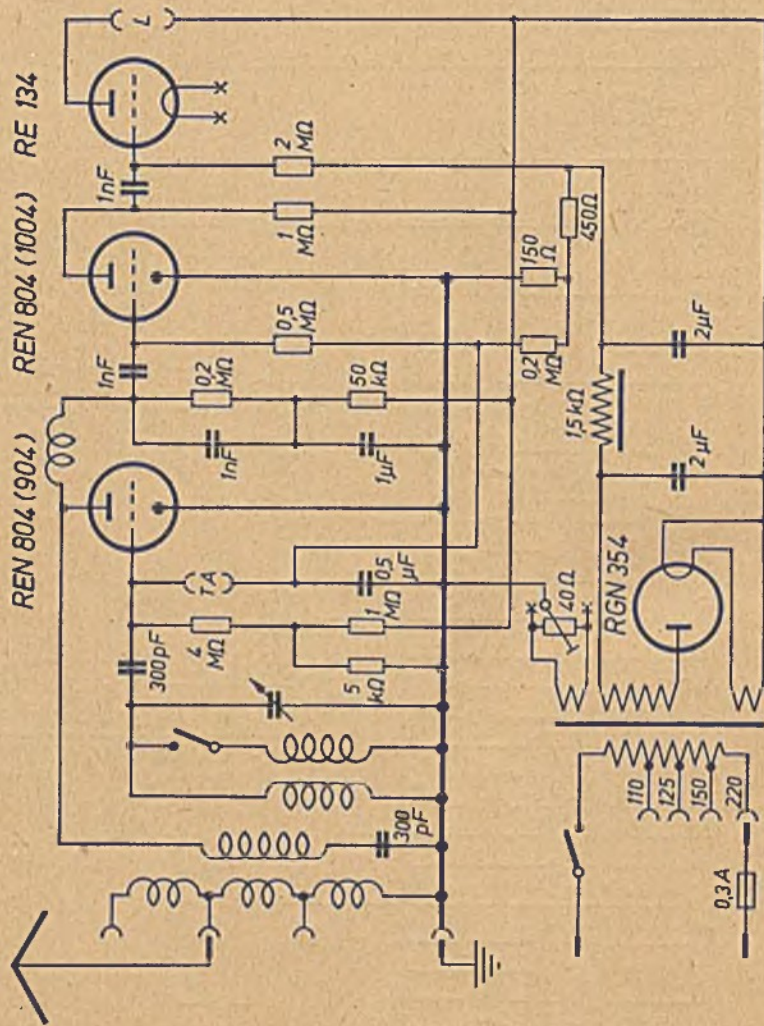






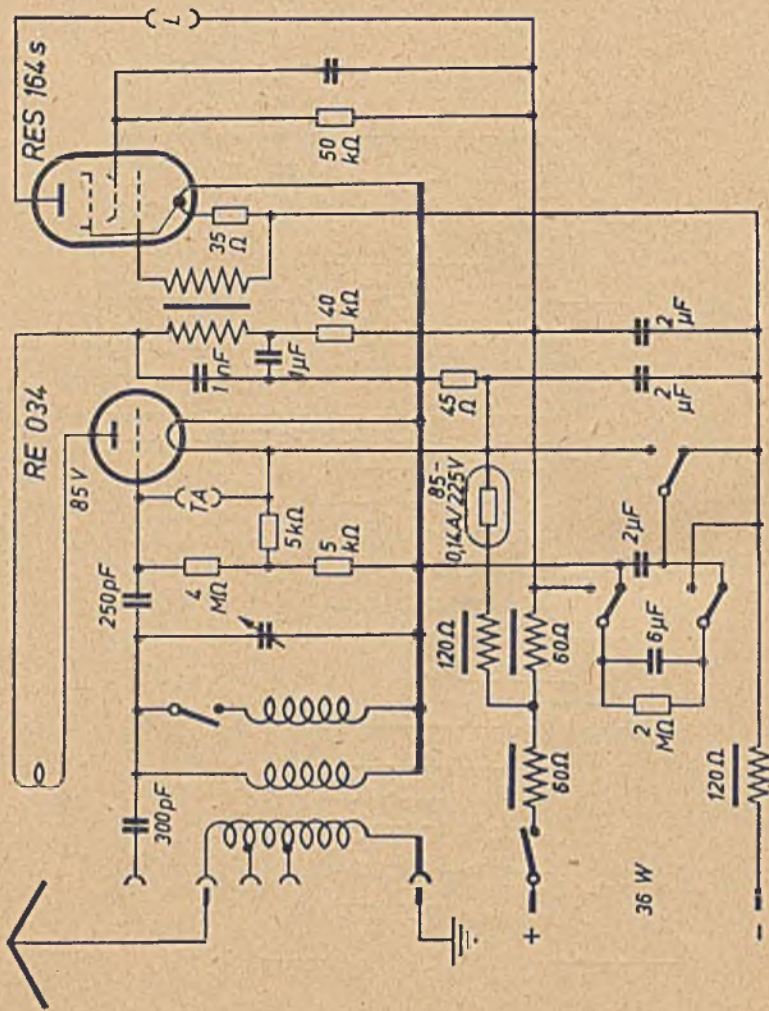


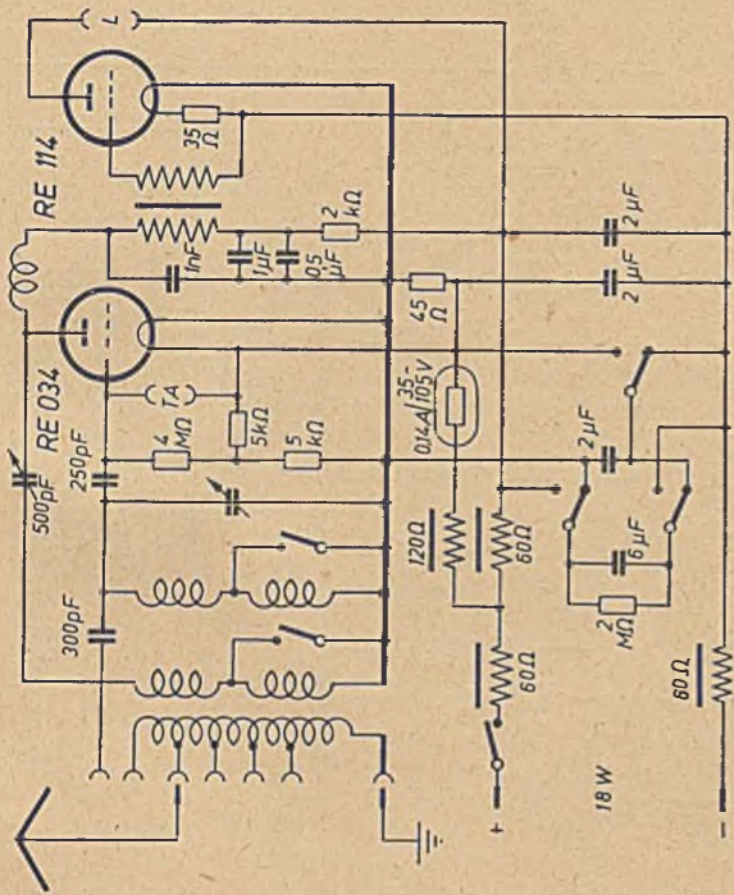


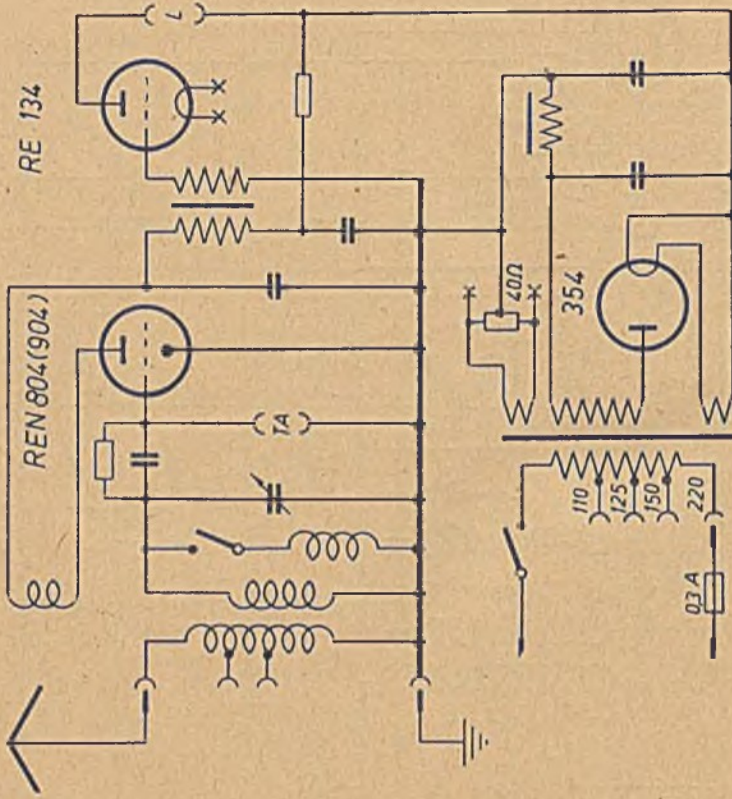




Lumophon G 2 (220 V)

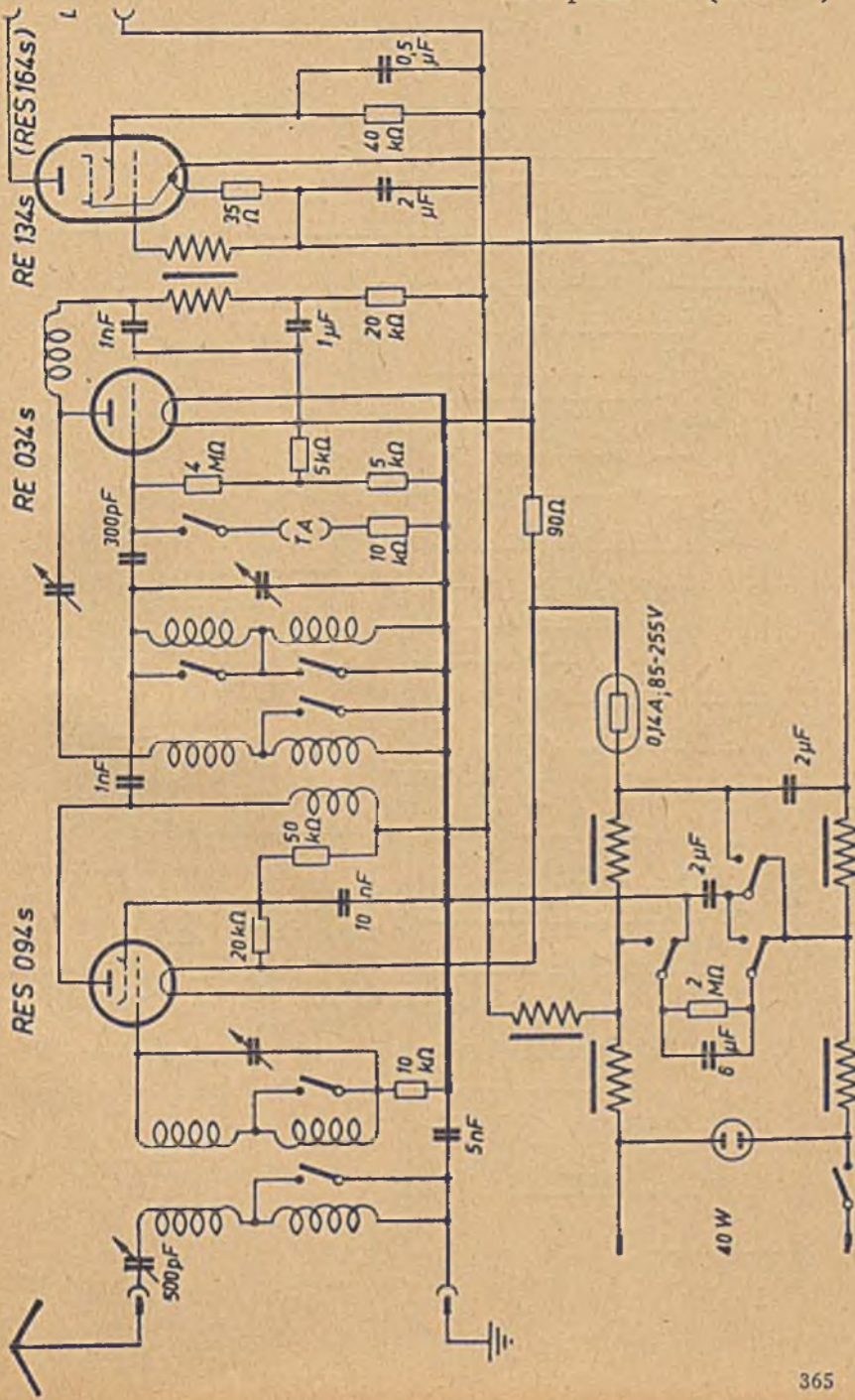




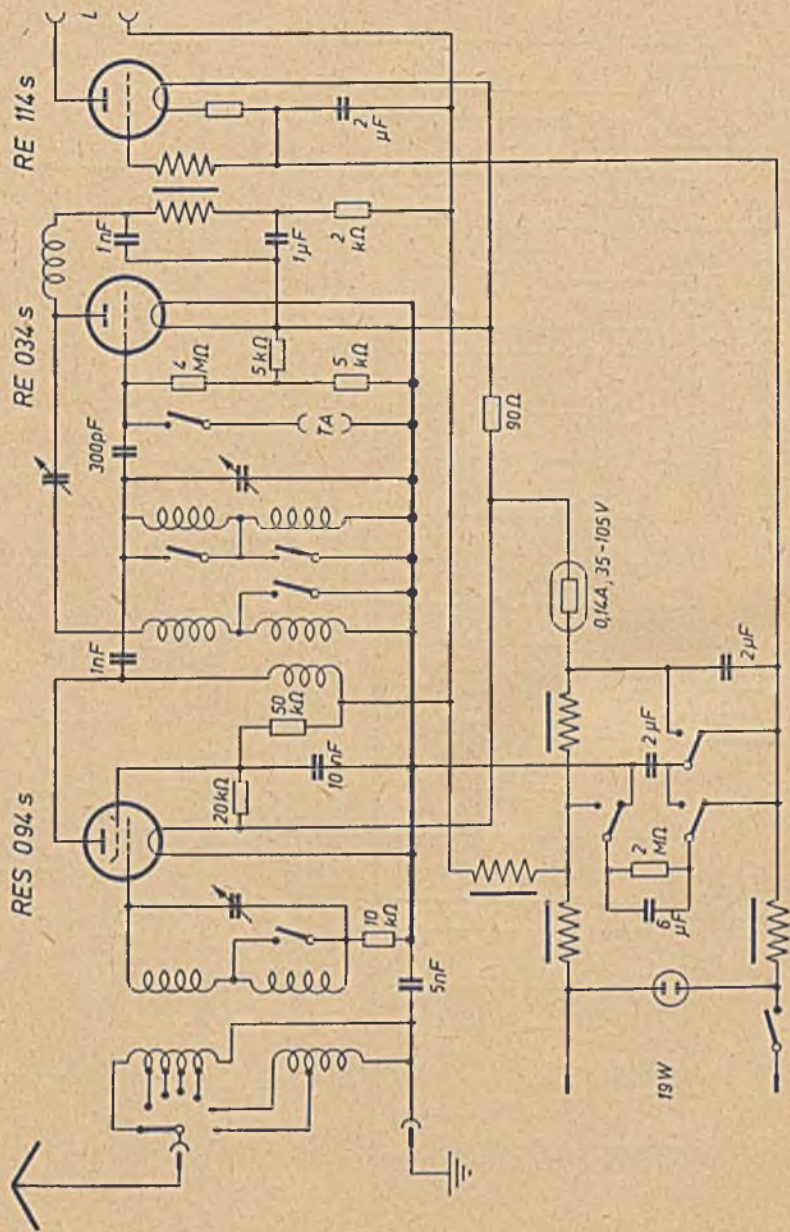




Lumophon 1 G (220 V)



# Lumophon 1 G (110 V)



*Folgende Firmen sind in der Schaltbildersammlung enthalten:*

AEG	▪ Lange	Stern-Radio Berlin
Äola	▪ Lembeck	VEB (Phonetika)
Akkord	▪ Loewel/Opta	Stern-Radio Leipzig
Atlas	▪ Lorenz	VEB (Opta)
Blaupunkt	▪ LTP	Stern-Radio Rechlitz
Blohm	▪ Lumophon	VEB (Graetz)
Brandt	Mende	Stern-Radio Staßfurt
Braun	Meßgerütbau	VEB (Staßfurt)
Continental	Metz	RFW
DTW	MEW	Riweco
Elbeg	Niemann	Rohde u. Schwarz
Elbia	Nora	Ruwei
Eleophon	Nord-Mende	Saba
Elektro-Apparate-Fabrik	Opta-Spezial	Sachsenwerk
Köppelsdorf	Owin	Schaleco
Elektro-Apparate-Werke	Pellegrinetti	Schaub
Treptow	Philips	Seibt
Elmug	Radio-Union	Siemens
Eltra	Reico	Star
Emud	Rema	Staßfurt
Funkstrahl		Staudigl
Gemeinschafts-Empfänger	RFT:	Südfunk
Geta	Fernmeldewerk Arnstadt	TAK
Graetz	VEB (Siemens)	Tefag
Gräßmann	Fernmeldewerk Treptow	Tefi
Grundig	VEB (Graetz)	TEKADE
Haco	Funkwerk Dresden	Telefunken
Hagenuk	VEB (Mende)	Tonfunk
Huth	Funkwerk Kölleda	Waldschmidt
Jota	VEB (Neuro-Werk)	Wandel und Goltermann
Jungmann	Funkwerk Leipzig	Wega
Klangfilm	VEB (Körting)	Willisen
Körting	Funkwerk Zittau-Olbers-	Wolhe
Kreft	dorf VEB (Seibt)	

*Firmen in Österreich:*

Eumig	Kapsch	Rudione
Hornophon	Krischker	Zehetner
Ingelen	Minerva	Zerdik

*Die mit einem ▪ versehenen Firmen sind in diesem Band enthalten*

FACHBUCHVERLAG GMBH LEIPZIG



*Im gleichen Verlag erscheint:*

## Einführung in die Kurzwellen- und Ultrakurzwellen-Empfängerpraxis

Von Obering. Karl-August Springstein

456 Seiten mit 429 Abbildungen, zahlreichen Tabellen  
und Tafeln · Format DIN C5 · Hlw. DM 13,50

Die Entwicklung unserer Seeschifffahrt und des Außenhandels verlangt einen Fernmeldedienst, der mit den modernsten Mitteln der drahtlosen Nachrichtenübermittlung ausgestattet ist. Dazu gehören u. a. die Kurzwellen- und Ultrakurzwellenempfänger.

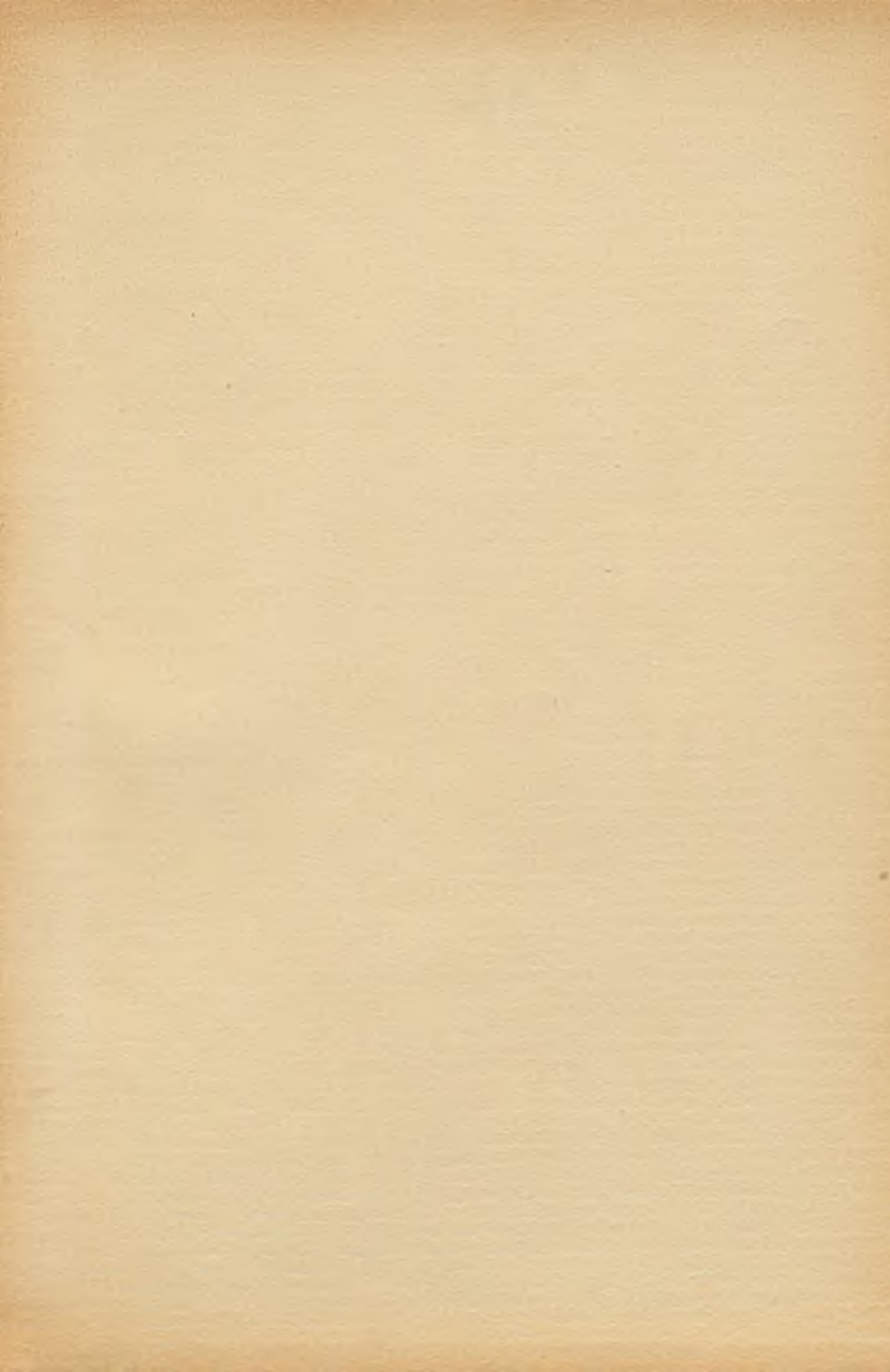
Das Fachbuch leitet zum Bau und Gebrauch dieser Geräte an. Es behandelt zunächst ihre Aufgaben und die verschiedenen Arten der Signale und geht dann näher auf die Konstruktion und die Handhabung der einzelnen Empfängerarten ein.

Dabei hat der Verfasser immer die Gegebenheiten der Praxis im Auge und verzichtet im allgemeinen auf theoretisch tiefer gehendes Begründen durch längere mathematische Ableitungen. Nur dort, wo es ihm für das Verständnis der technischen Zusammenhänge notwendig erschien, wurden einige solche Ableitungen gegeben, sie stellen jedoch keine besonderen mathematischen Anforderungen an den Leser.

Das Buch setzt die Kenntnis der Grundlagen des Mittel- und Langwellenempfanges sowie der umfangreichen Probleme der Niederfrequenztechnik als bekannt voraus. Es wendet sich an Fachschüler und Funktechniker.

*Zu beziehen durch jede Buchhandlung*

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BG Politechniki Śląskiej  
nr irw.: 102 - 126435



Dyr.1 126435