

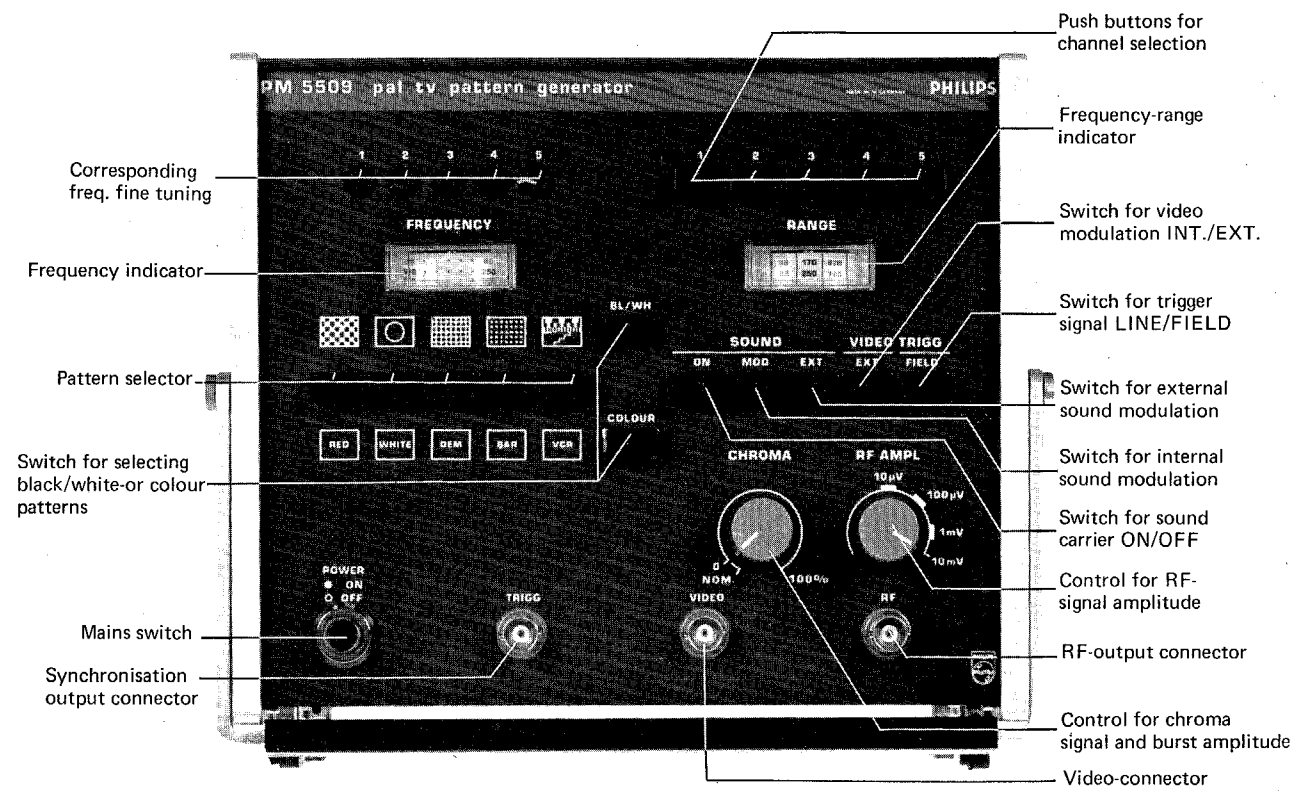


Fig. 1. Front view, controls and sockets

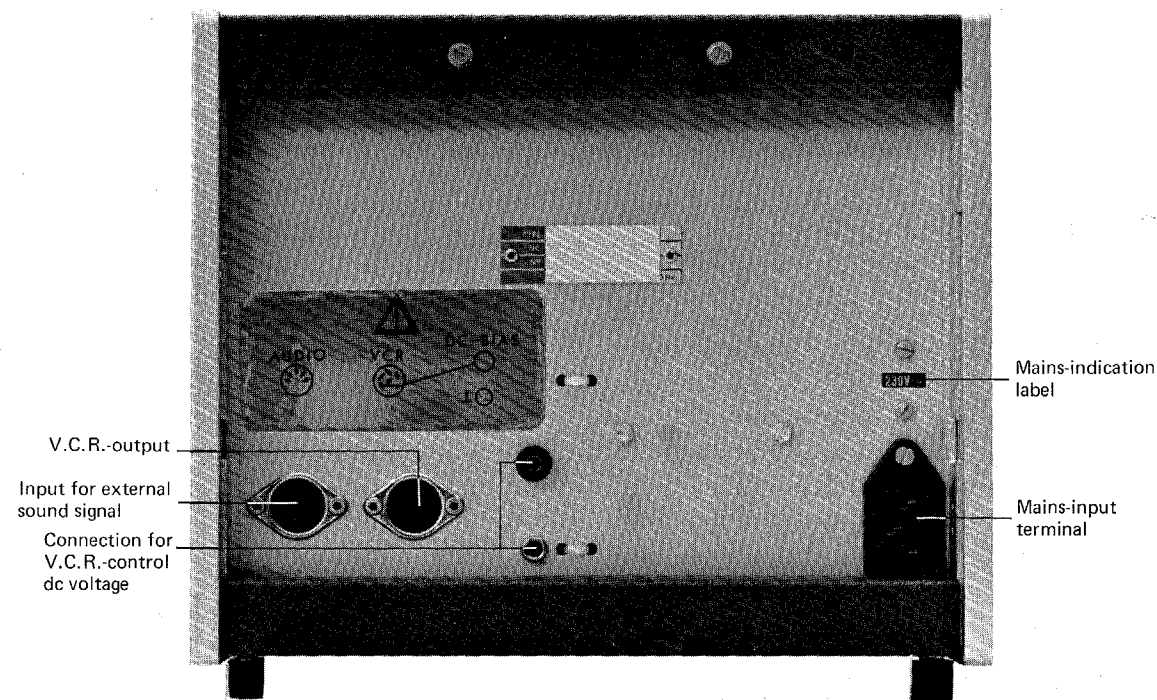


Fig. 2. Rear view, controls and sockets

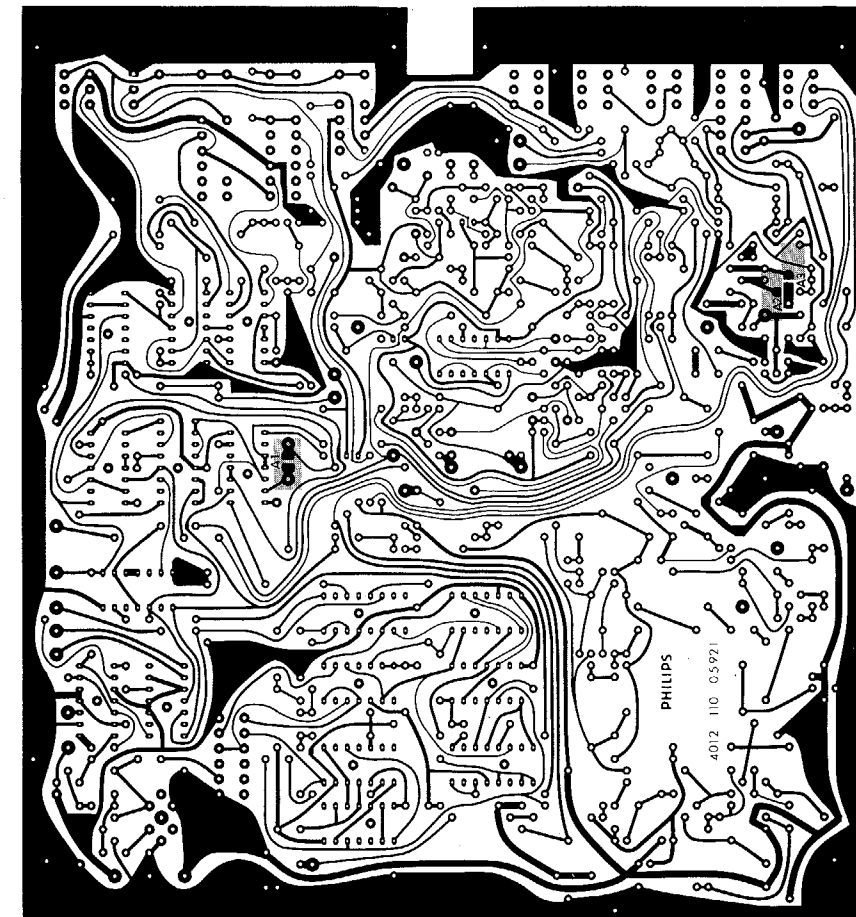


Fig. 3. Printed wiring, unit 1

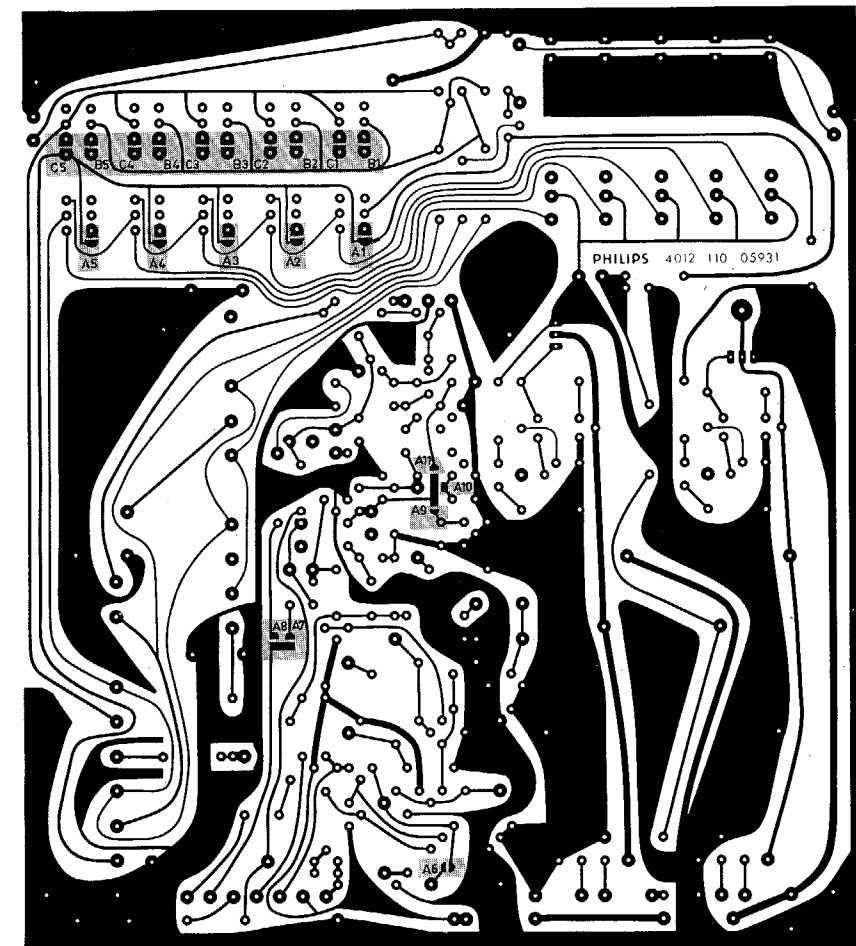


Fig. 4. Printed wiring, unit 2

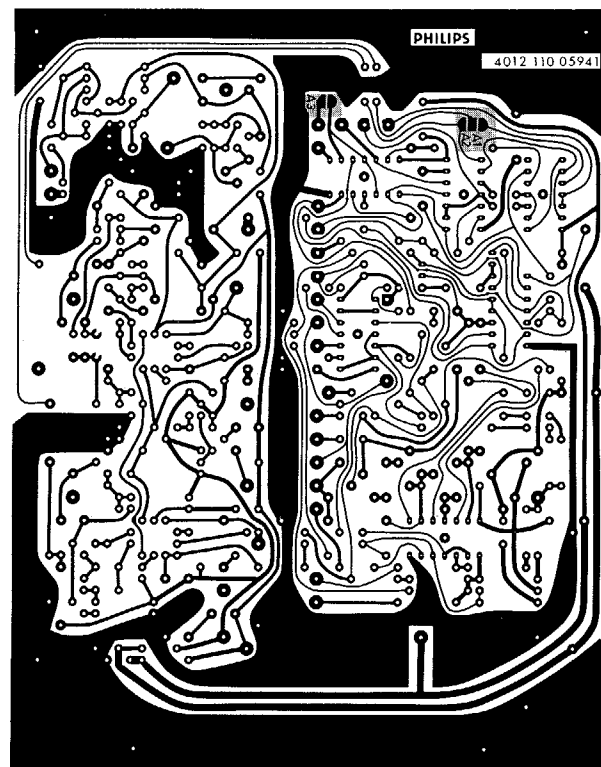


Fig. 5. Printed wiring, unit 3

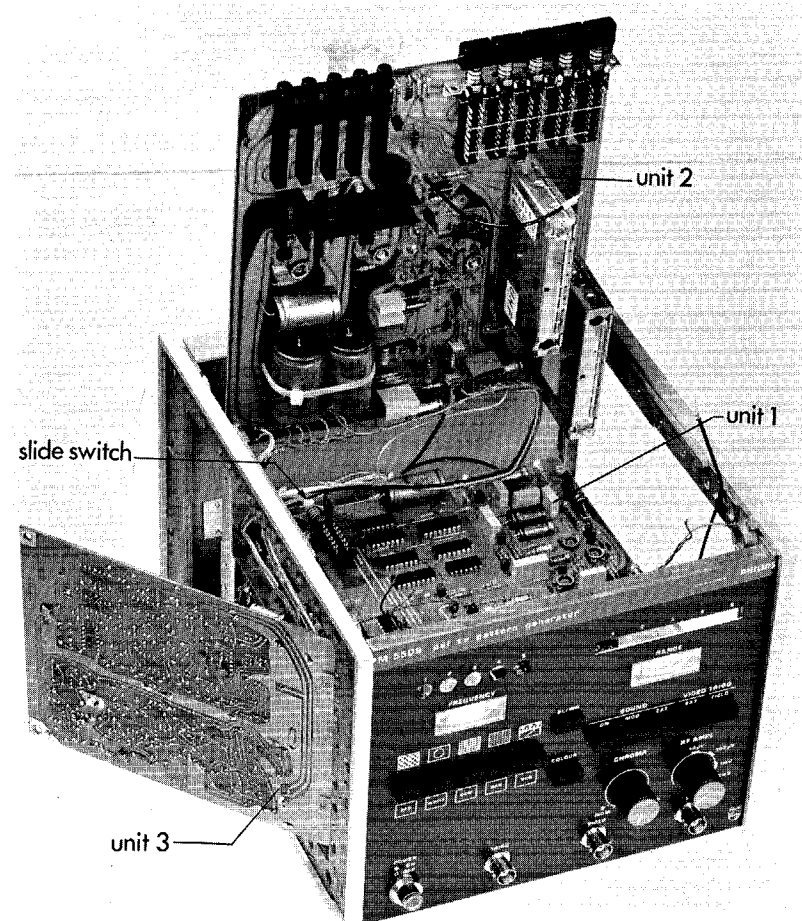


Fig. 6. Exploded view

Table I

Adjusting to the TV systems

SPECIFICATIONS	Number of lines		625	625	525
	Field frequency	Hz	50	50	60
	Line frequency	Hz	15625	15625	15750
	Sub-carrier frequency	MHz	4.433619	4.433619	3.575611
	Sound-carrier frequency	MHz	5.5	6.0	4.5
	Video-carrier modulation		AM-negative	AM-negative	AM-negative
	Sound-carrier modulation		FM, 50 μ s	FM, 50 μ s	FM
T.V. SYSTEMS					
PAL-standard			G	I	M
SOLDER JOINTS		FIG			
UNIT 1	A1 ¹⁾	3	•	•	•
	A2 (video; negative)	3			
	A3 (video; positive)	3	•	•	•
	Slide switch (line freq.)	6	not depressed		depressed
UNIT 2	A1 ... A5 B1 ... B5 C1 ... C5		Range-programming (see chapt. 2.1.4.)		
	A6 (pre-emphasis)	4	•	•	•
	A7 (FM)	4	•	•	•
	A8 (AM)	4			
	A9 (6 MHz)	4		•	
	A10 (5,5 MHz)	4	•		
	A11 (4,5 MHz)	4			•
UNIT 3	A1 (PAL-code)	5	•	•	•
	A2	5			
	A3 ²⁾	5	•	•	•

- 1) by opening solder joint A1 on UNIT 1, it is possible to fade out the synchronisation impuls
- 2) by opening solder joint A3 on UNIT 3 it is possible to switch-off the white-reference part of the COLOUR BAR pattern. The colour bars are now visible over the whole screen height.

Table II

Range Solder joints	I	III	IV/V
A			•
B		•	
C	•	•	

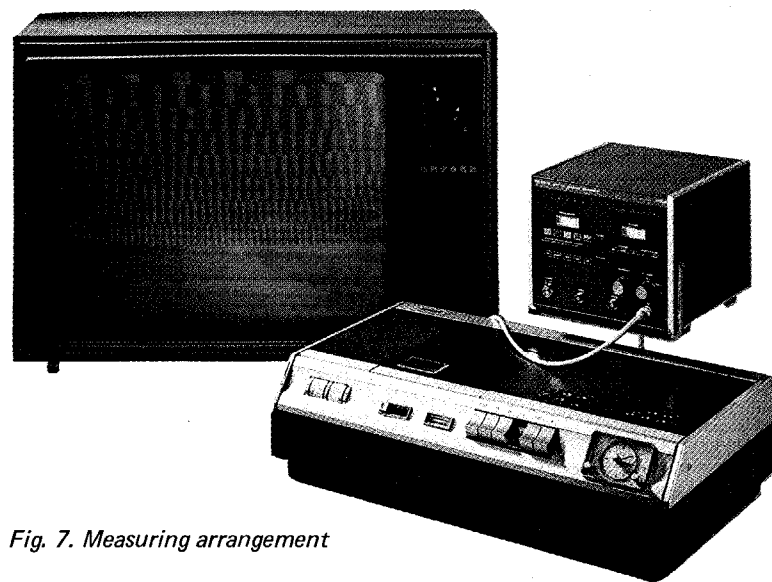


Fig. 7. Measuring arrangement

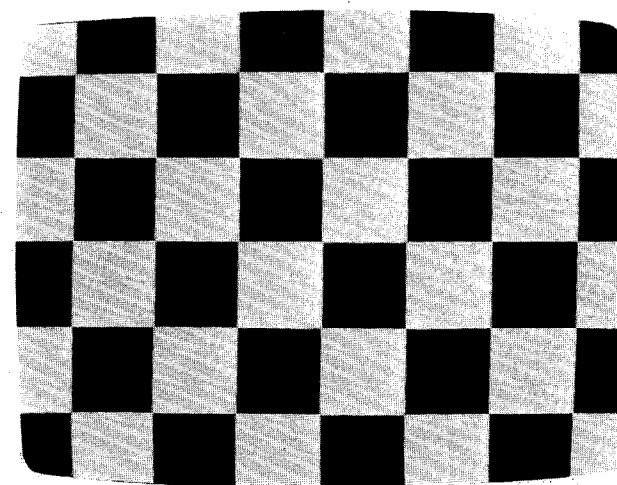


Fig. 8. "Checkerboard"-pattern

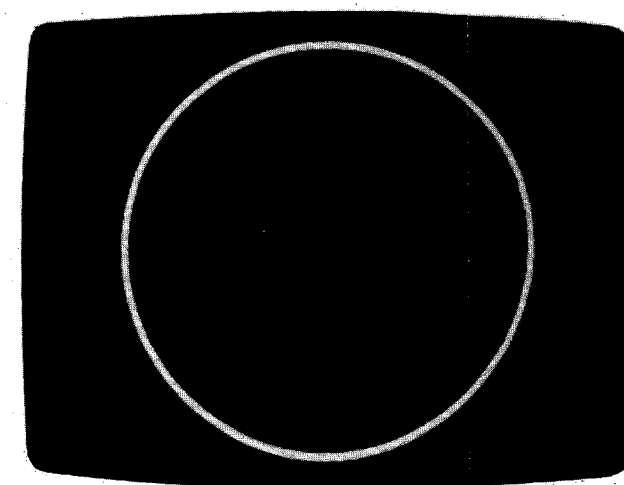


Fig. 9. "Circle"-pattern

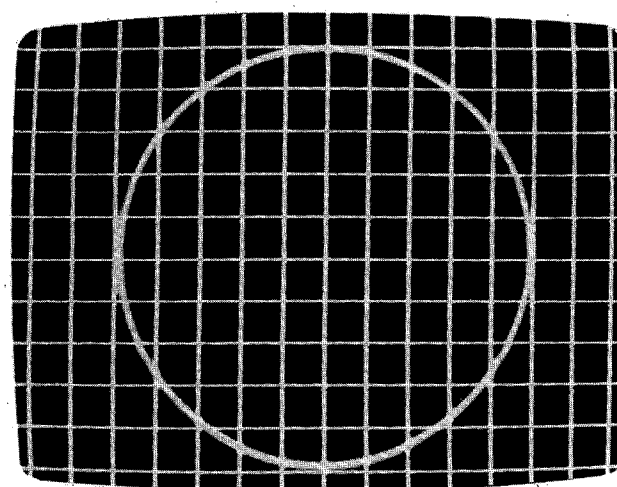


Fig. 10. "Circle + crosshatch"-pattern

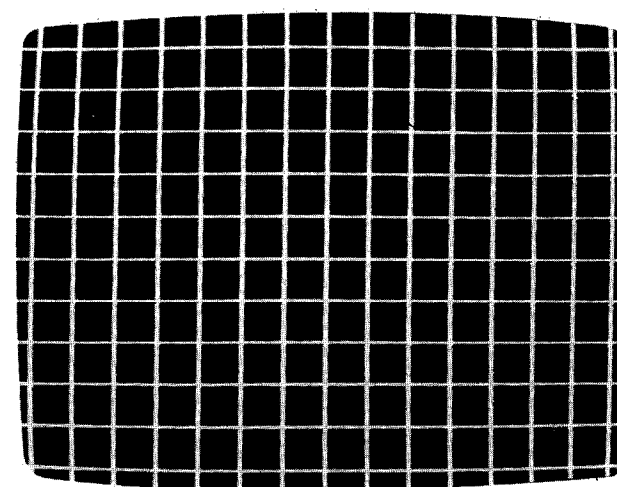


Fig. 11. "Crosshatch"-pattern

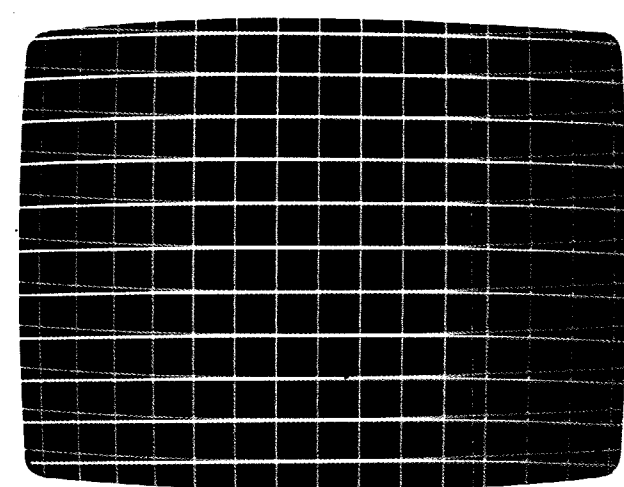


Fig. 12. Incorrect horizontal dynamic convergence

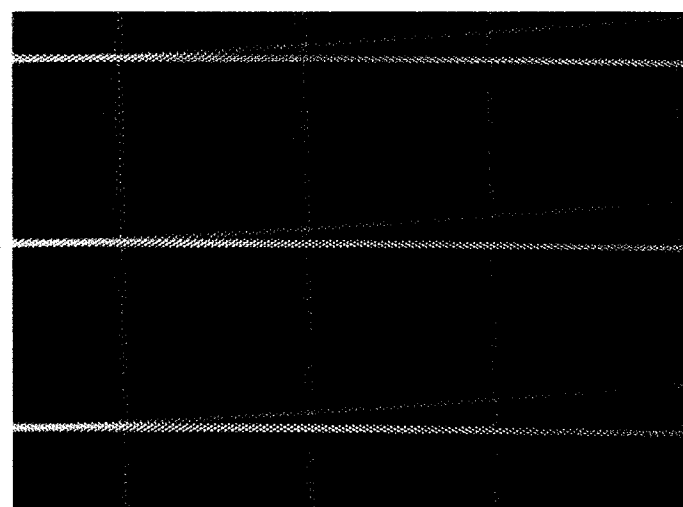


Fig. 13. Picture detail in case of incorrect dynamic convergence

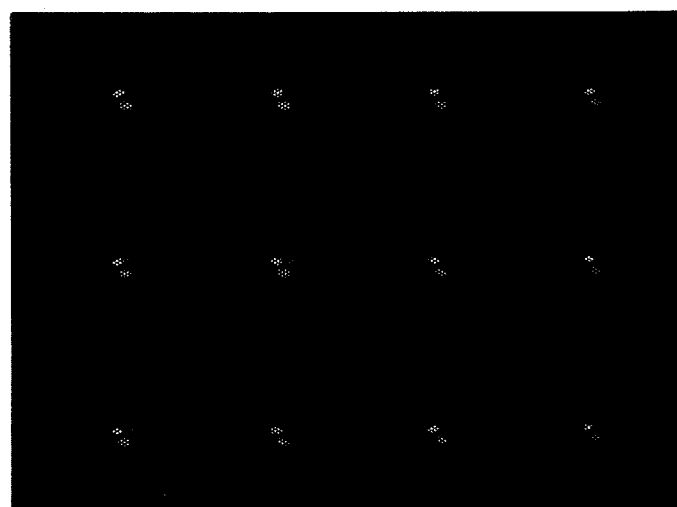


Fig. 14. Detail of incorrectly converged picture

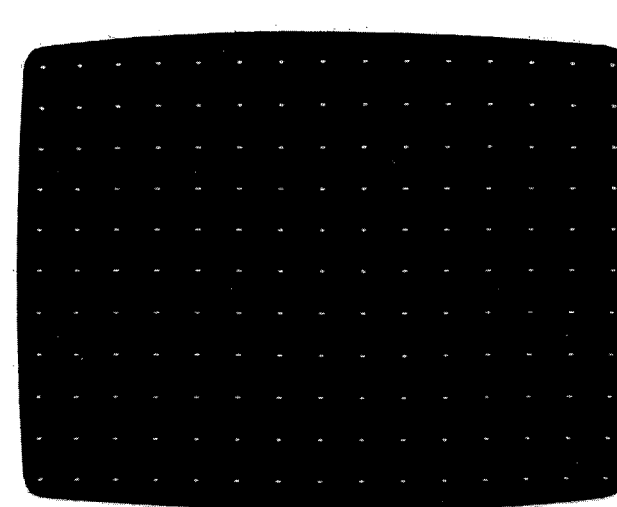


Fig. 15. "Dots" pattern

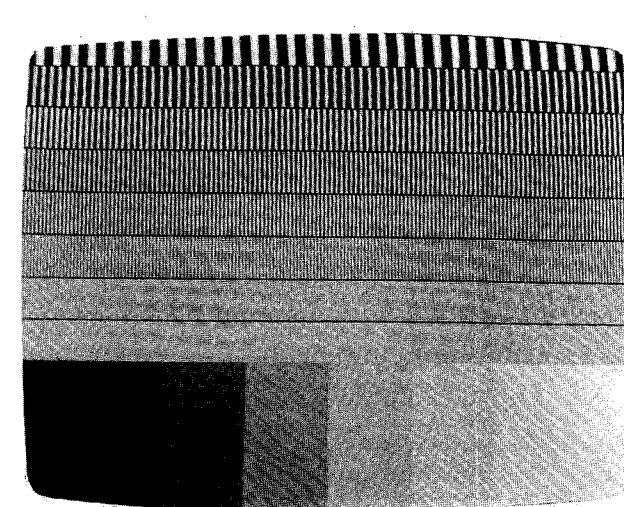


Fig. 16. Pattern of definition lines and a 8-step grey scale combined