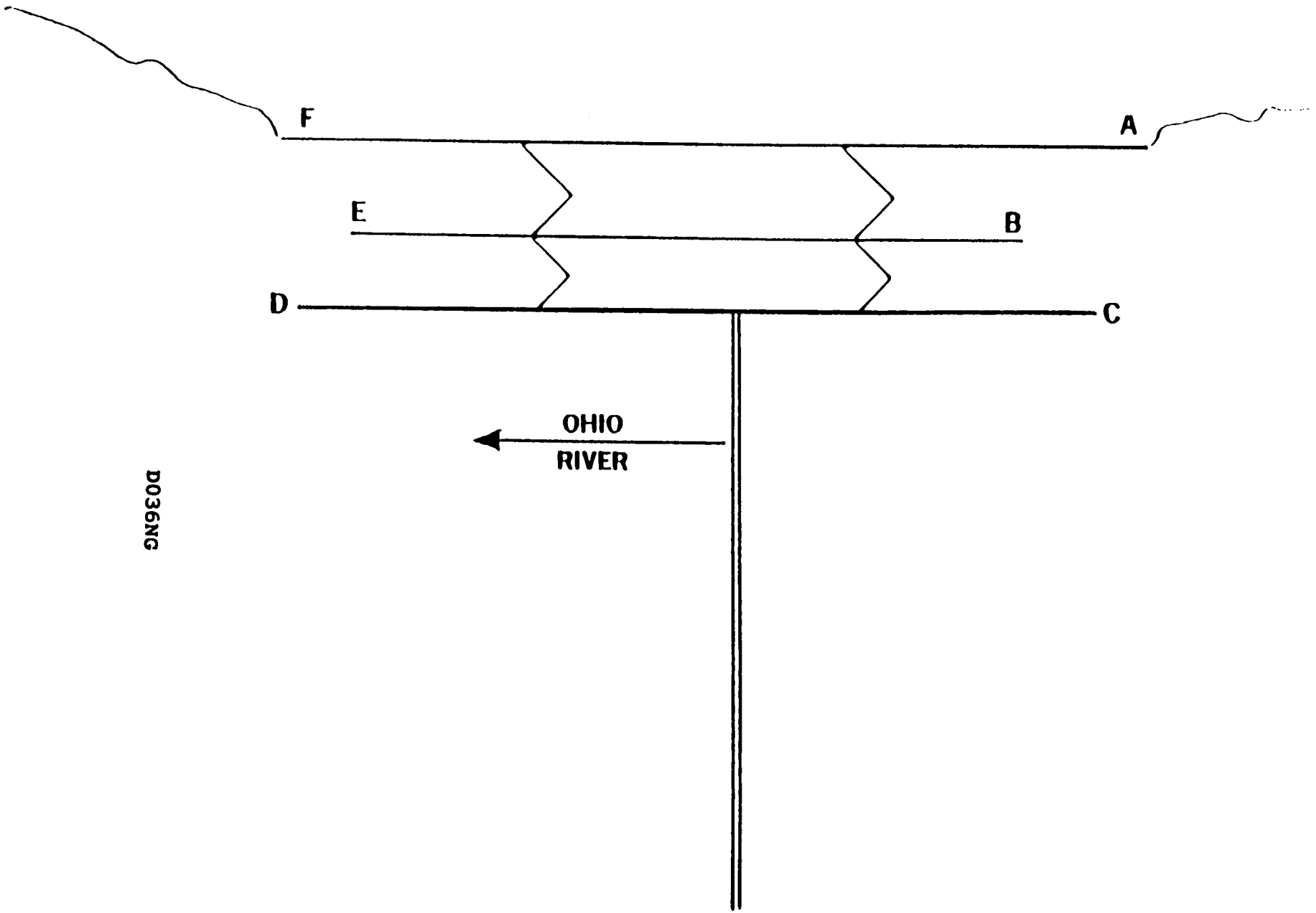
F
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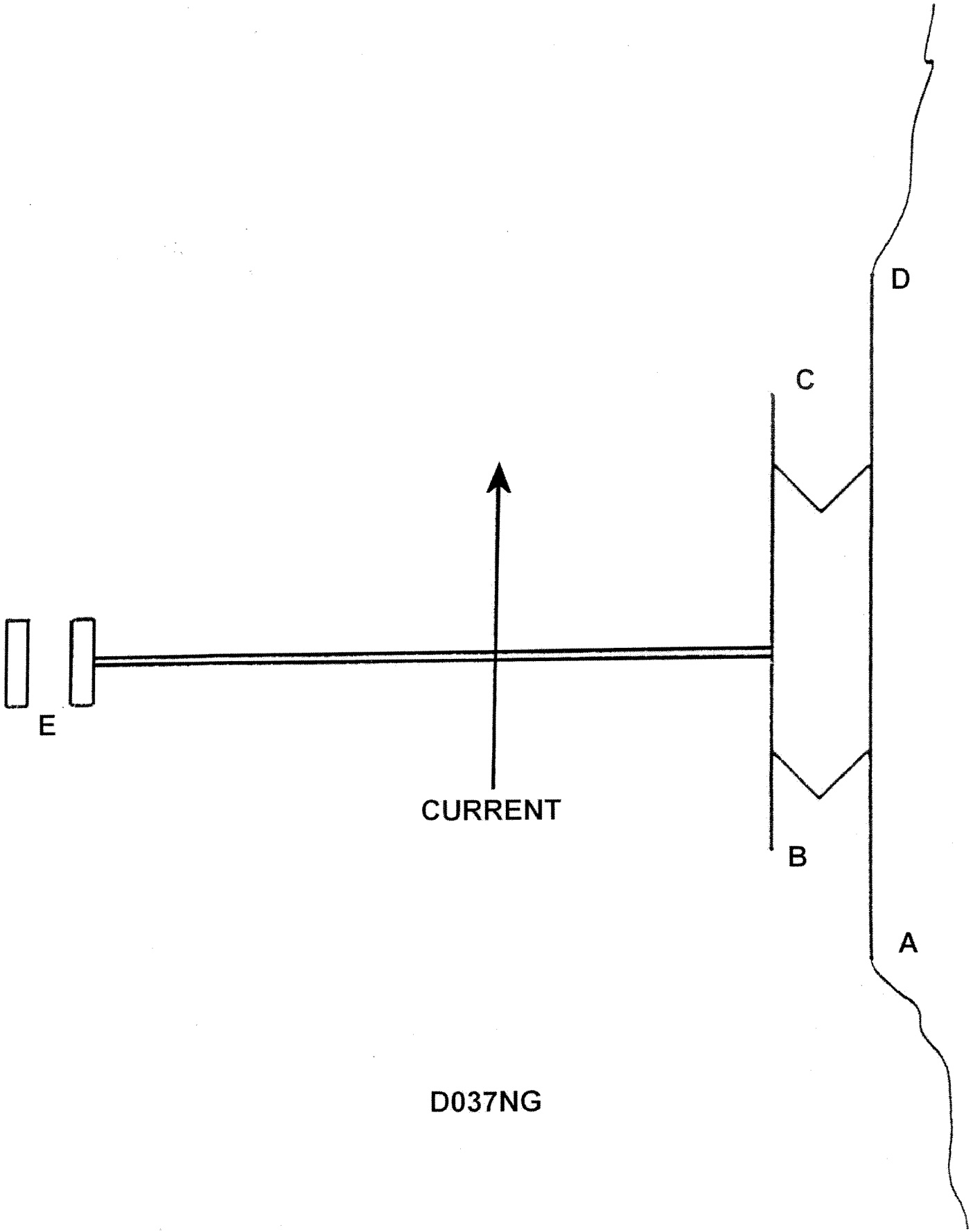
OHIO
RIVER
D036NG



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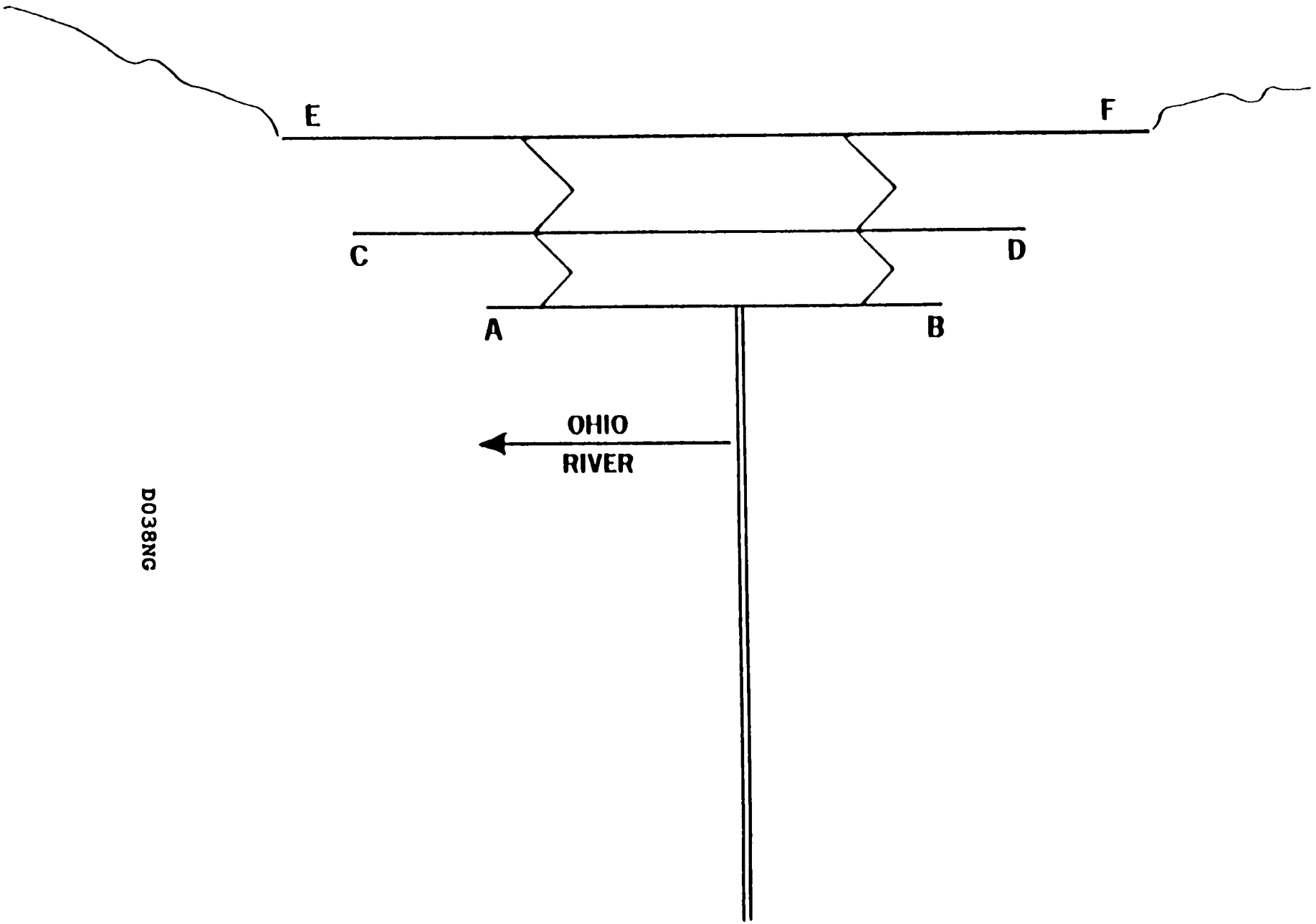

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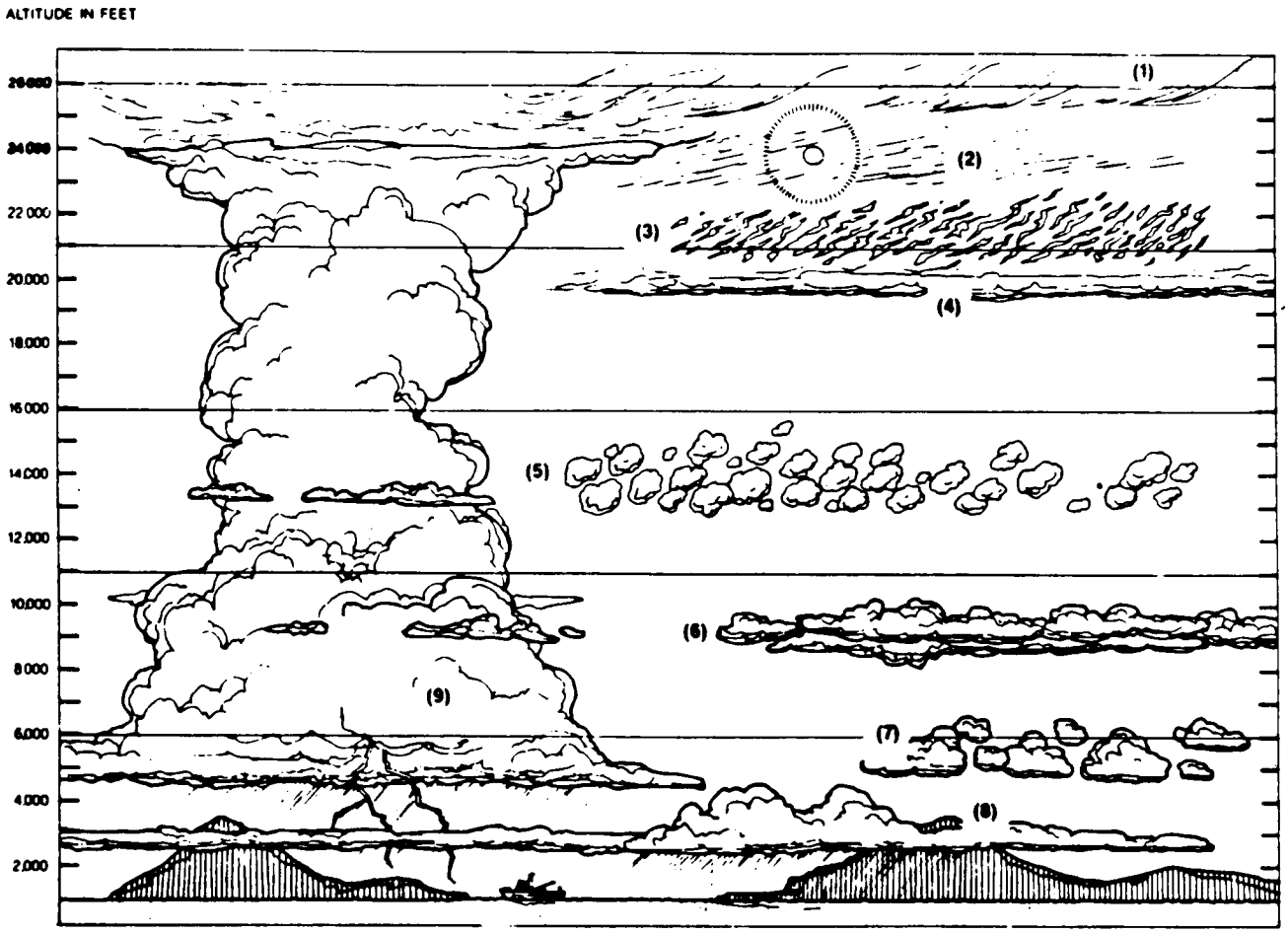

Illustration courtesy NPFVAO SAFETY MANUAL. Produced in cooperation with the National Fisheries Service and U.S. Coast Guard.

D039NG

HEADING (GYRO)	VISUAL BEARING (GYRO)	RDF BEARING (GYRO)
061°	061°	062.5°
089°	059°	061.5°
114°	054°	057°
129°	039°	041°
144°	024°	025°
167.5°	017.5°	017°
197°	017°	016°
233.5°	023.5°	021.5°
271°	031°	027°
309°	039°	037.5°
336.5°	046.5°	046°
023.5°	053.5°	054°

WB FORM B 80 (10 85)
PREP. BY WMO DIRECTIVES

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

WEATHER REPORT FOR IMMEDIATE TRANSMISSION

NO.	SHIP NAME	DATE SENT (GMT)	TIME SENT (GMT)	STA. CALLED	FREQUENCY

ADDRESSES

U.S. Coast Guard: No address needed, start with ship's call sign.

INMARSAT: Select—Coast Earth Station (CES), routine priority, duplex telex channel, and initiate call. When GA + is received, select 41 + . Upon receipt of answerback, NWS OBS MIITS, send the weather report starting with the ship's call sign. End the report with 5 periods.

U.S. commercial and foreign radio stations: To: OBS METEO _____ (get address from "Radio Stations Accepting....."). Start with ship's call sign and combine the remaining numbers into 10-character groups.

STORM or SPREP	CALL SIGN	YYGGI$_w$	99L$_a$L$_a$L$_a$	Q$_c$L$_o$L$_o$L$_o$L$_o$	I$_n$I$_x$hVV	Nddff
			99		4	
1s$_n$TTT	2s$_n$T$_d$T$_d$T$_d$	4PPPP	5appp	7wwW$_1$W$_2$	8N$_h$C$_L$C$_M$C$_H$	222D$_s$v$_s$
0s$_n$T$_w$T$_w$T$_w$	2P$_w$P$_w$H$_w$H$_w$	3d$_{w1}$d$_{w1}$d$_{w2}$d$_{w2}$	4P$_{w1}$P$_{w1}$H$_{w1}$H$_{w1}$	5P$_{w2}$P$_{w2}$H$_{w2}$H$_{w2}$	6I$_s$E$_s$E$_s$n$_s$	ICE
c$_i$S$_i$b$_i$D$_i$z$_i$	PLAIN LANGUAGE			TRANSMITTED BY		

No Government Administration, or Company or person employed in the forwarding and delivery of this message shall be liable for any loss or damage arising from failure to transmit or to deliver the said message or from any neglect, delay, error or omission in the transmission thereof.

Supersedes NOAA Form 72 4A (1 82) which should be destroyed.

D041NG

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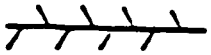
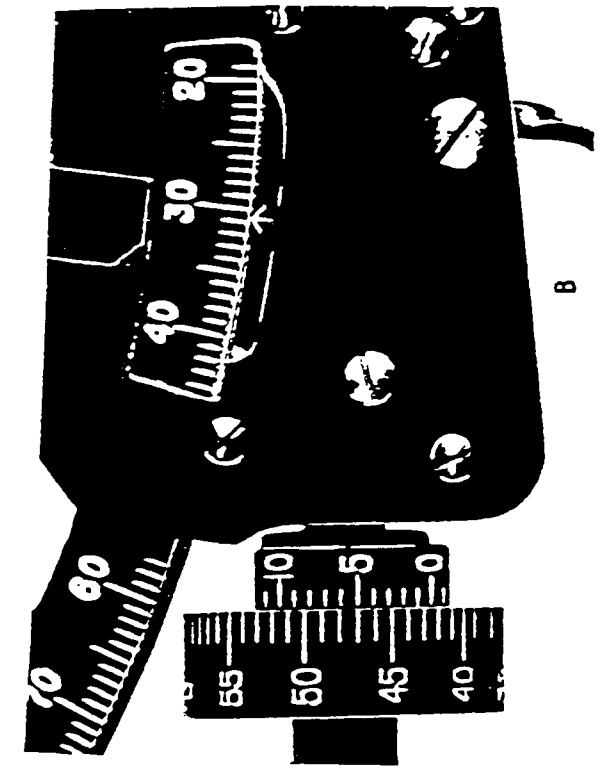
Q 

D042NG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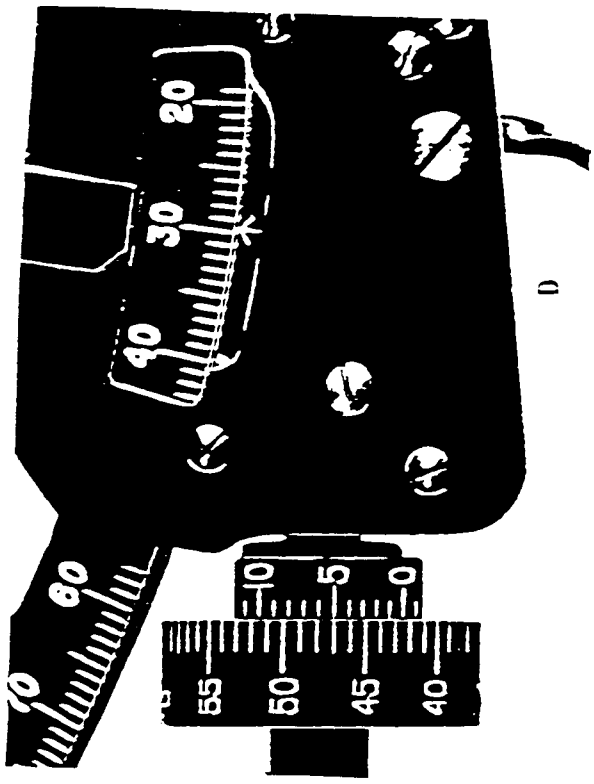
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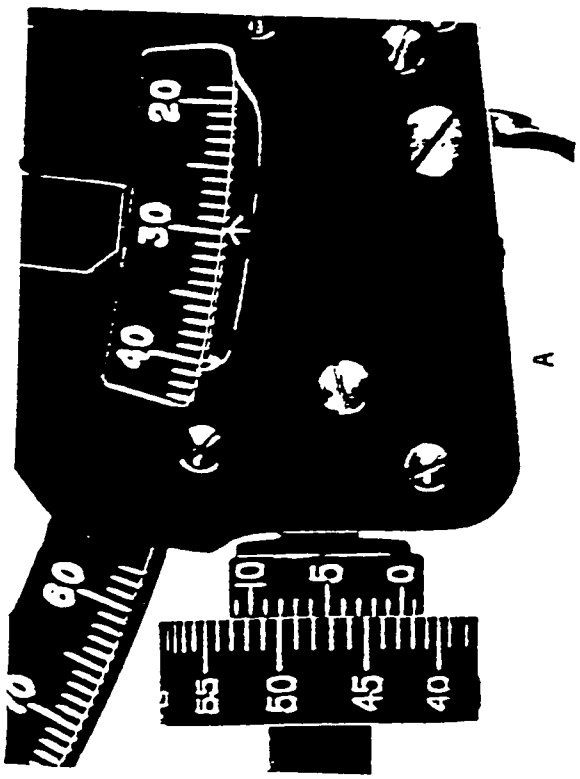
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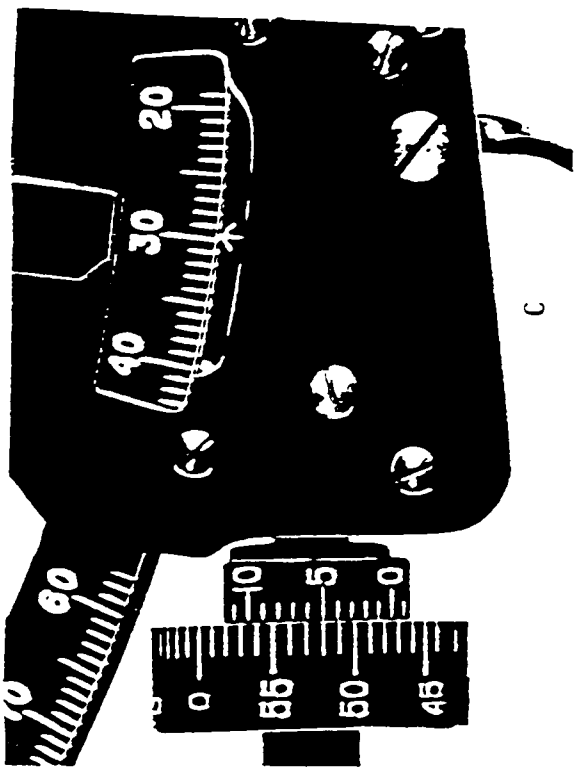
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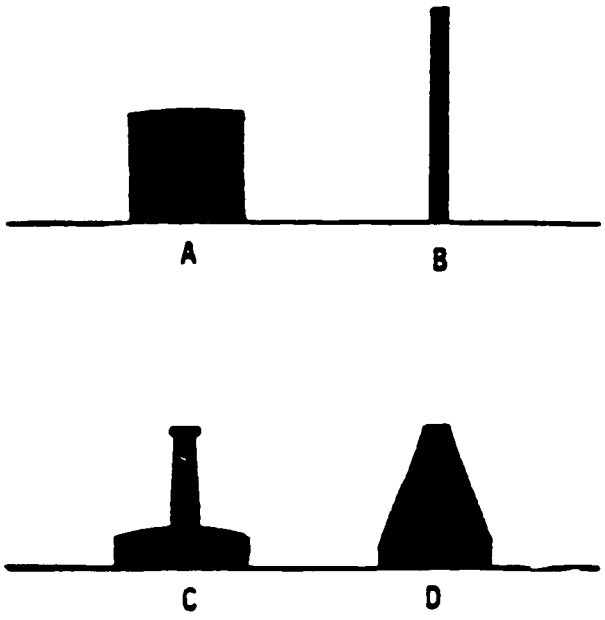
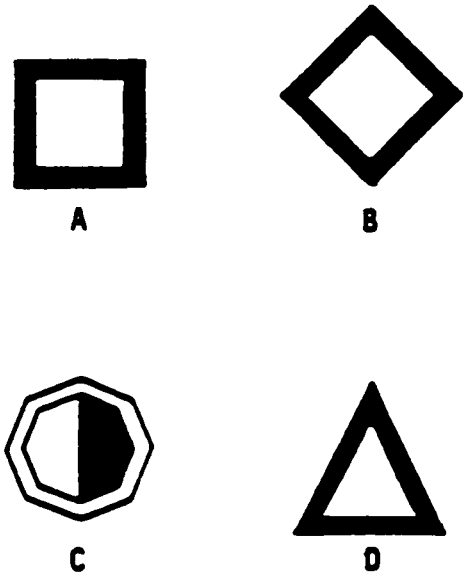
D043NG



D044NG



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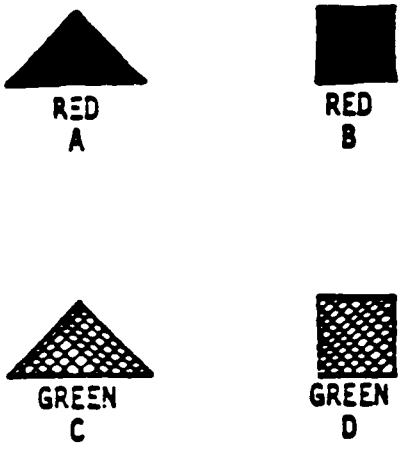
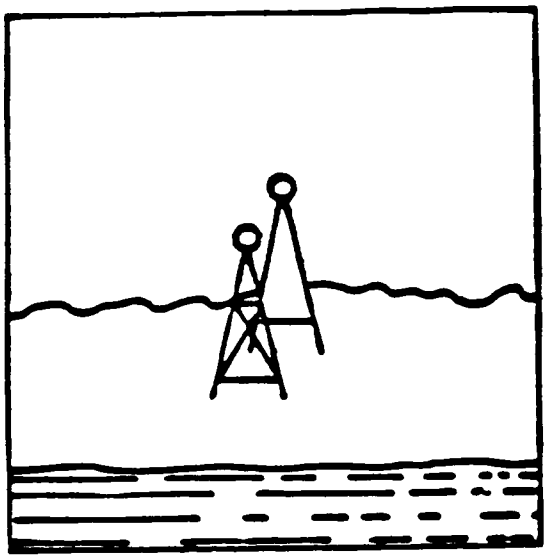


D046NG



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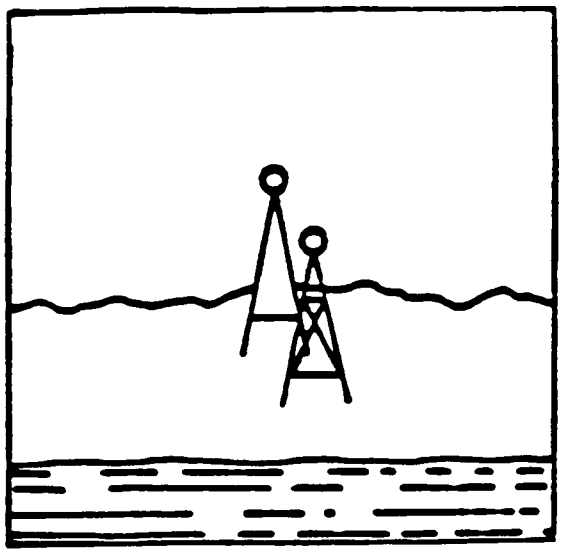

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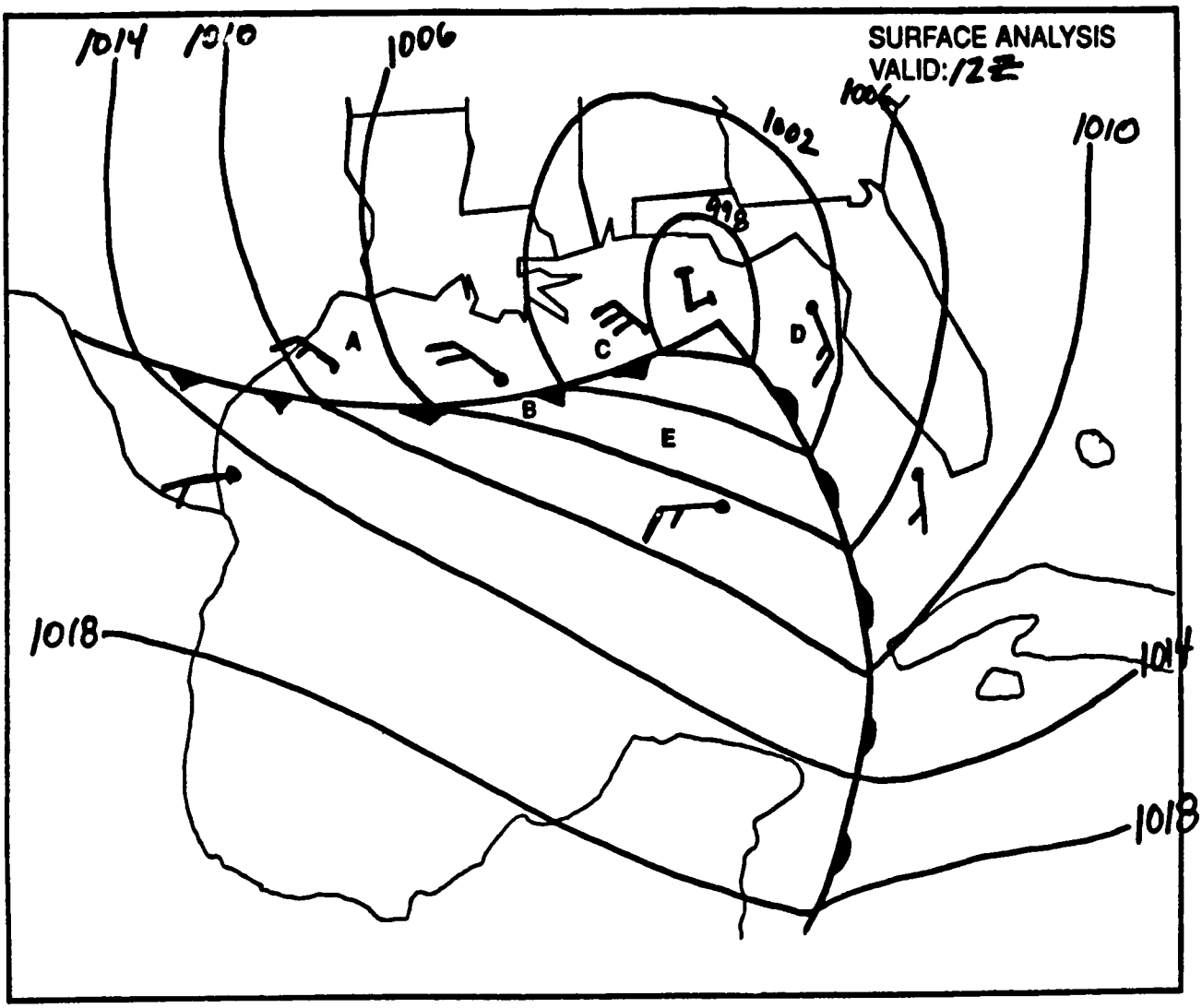
SURFACE ANALYSIS
VALID: 12Z
1014
1010
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1002
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L
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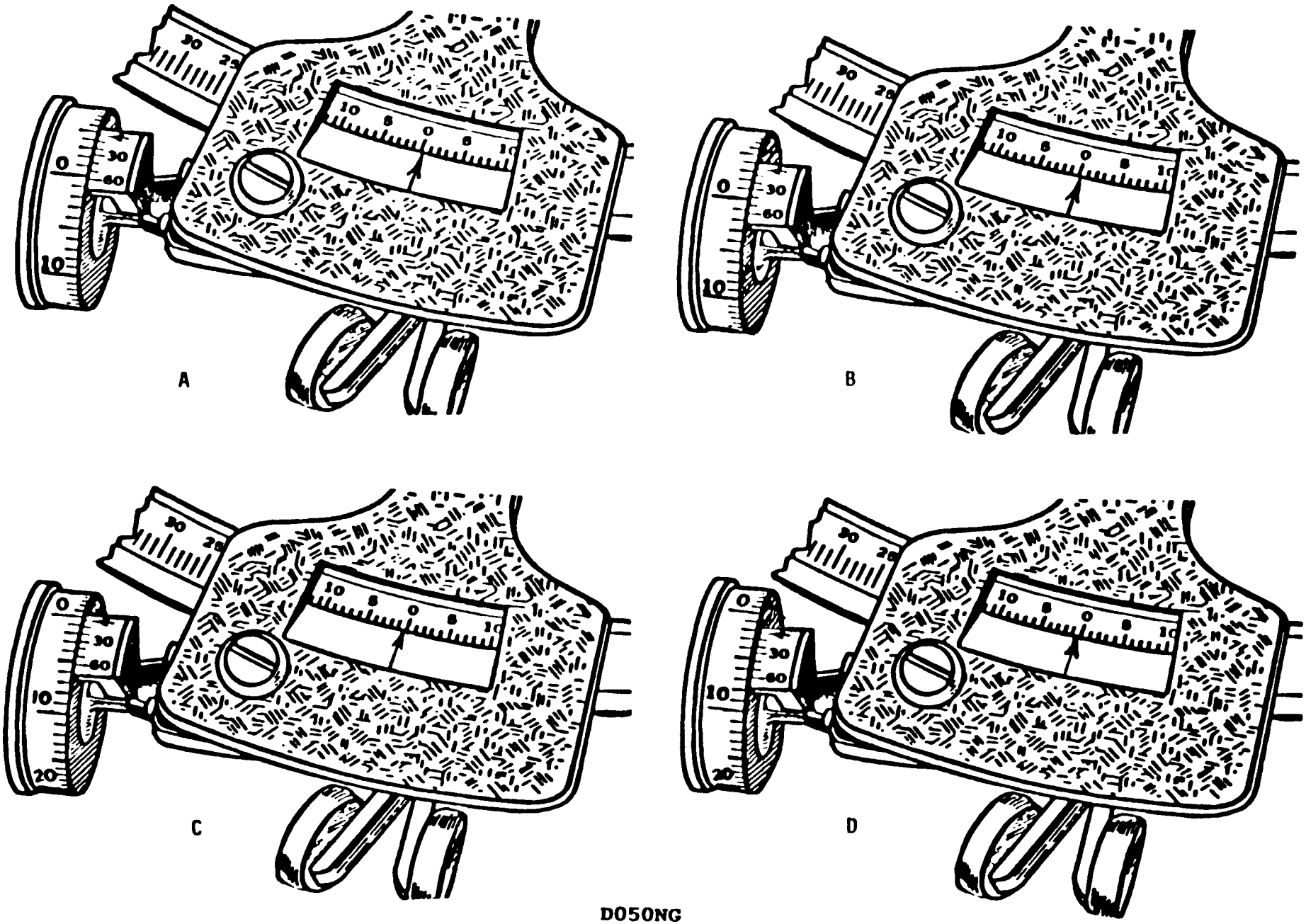
D049NG



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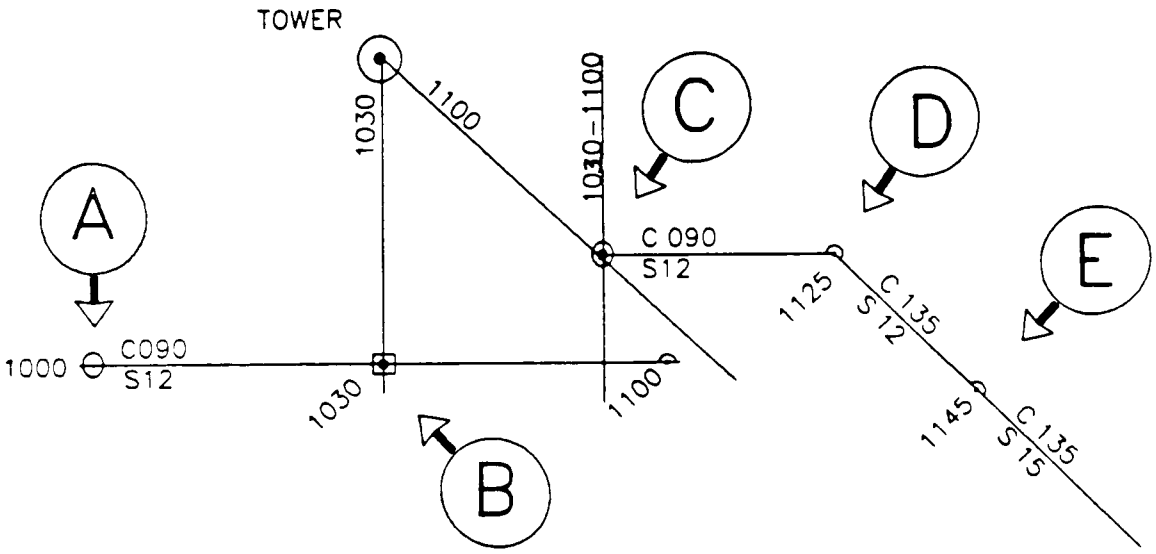
TOWER
1030
1100
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C 090
S12
1000
C090
S12
1125
C 135
S12
1145
C 135
S15
1030
1100
B

D051NG

D052NG

Fore-and-aft and athwartship magnets		
Deviation → Magnets ↓	Easterly on east ***and*** westerly on west. (+B error)	Westerly on east ***and*** easterly on west. (-B error)
No fore and aft magnets in binnacle.	Place magnets red forward.	Place magnets red aft.
Fore and aft magnets red forward.	Raise magnets.	Lower magnets.
Fore and aft magnets red aft.	Lower magnets.	Raise magnets.
Deviation → Magnets ↓	Easterly on north ***and*** westerly on south. (+C error)	Westerly on north ***and*** easterly on south. (-C error)
No athwartship magnets in binnacle.	Place athwartship magnets red starboard.	Place athwartship magnets red port.
Athwartship magnets red starboard.	Raise magnets.	Lower magnets.
Athwartship magnets red port.	Lower magnets.	Raise magnets.

Quadrantal spheres		
Deviation → Spheres ↓	E on NE, W on SE, E on SW, ***and*** W on NW (+D error)	W on NE, E on SE, W on SW, ***and*** E on NW (-D error)
No spheres on binnacle.	Place spheres athwartship.	Place spheres fore and aft.
Spheres at athwartship position.	Move spheres toward compass or use larger spheres.	Move spheres outwards or remove.
Spheres at fore and aft position.	Move spheres outward or remove.	Move spheres toward compass or use larger spheres.
Deviation → Spheres ↓	E on N, W on E, E on S, ***and*** W on W (+E error)	W on N, E on E, W on S, ***and*** E on W (-E error)
No spheres on binnacle.	Place spheres at port forward and starboard aft intercardinal points.	Place spheres at starboard forward and port aft intercardinal positions.
Spheres at athwartship position.	Slew spheres clockwise through required angle.	Slew spheres counter-clockwise through required angle.
Spheres at fore and aft position.	Slew spheres counter-clockwise through required angle.	Slew spheres clockwise through required angle.

Flinders bar		
Deviation change with latitude change → Bar ↓	E on E ***and*** W on W when sailing toward equator from north latitude or away from equator to south latitude.	W on E ***and*** E on W when sailing toward equator from north latitude or away from equator to south latitude.
No bar in holder.	Place required amount of bar forward.	Place required amount of bar aft.
Bar forward of binnacle.	Increase amount of bar forward.	Decrease amount of bar forward.
Bar aft of binnacle.	Decrease amount of bar aft.	Increase amount of bar aft.
↑ Bar Deviation change with latitude change →	W on E ***and*** E on W when sailing toward equator from south latitude or away from equator to north latitude.	E on E ***and*** W on W when sailing toward equator from south latitude or away from equator to north latitude.
Heeling magnet (Adjust with changes in magnetic latitude)		
If compass north is attracted to high side of ship when rolling, ***raise*** the heeling magnet if red end is up and ***lower*** the heeling magnet if blue end is up.		
If compass north is attracted to low side of ship when rolling, ***lower*** the heeling magnet if red end is up and ***raise*** the heeling magnet if blue end is up. **NOTE:** Any change in placement of the heeling magnet will affect the deviation on all headings.		