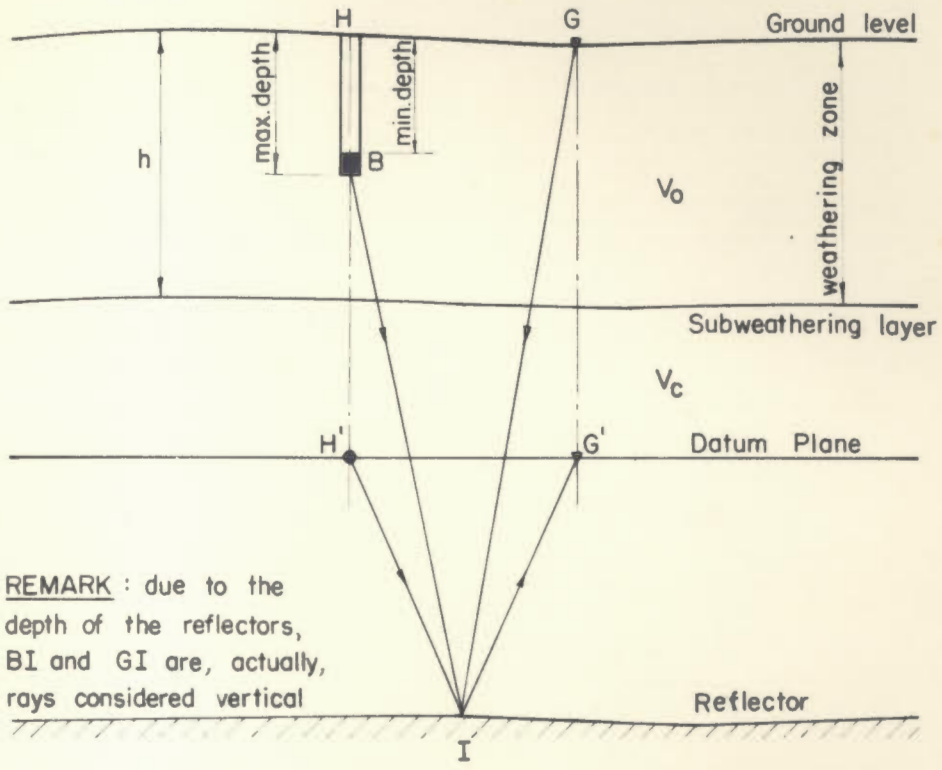
FIG. 5.

REFLECTION CORRECTIONS



E_H = Elevation of shot point H
E_G = Elevation of the nearest geophone G : generally $E_H = E_G$
D.P. = Elevation of datum plane
V_0, V_c and h given by the weathering shots

(1) Correction at geophone G

$C = CS + VT$ $\quad CS = C_{EG} + C_{WZG}$ $\quad VT$ = up-hole time

$$C_{EG} = \frac{DP - (E - \text{min.depth})}{V_c} = \frac{b}{V_c} \qquad C_{WZG} = (h - \text{min depth})\left(\frac{1}{V_c} - \frac{1}{V_0}\right)$$

(2) Correction at shot point H

$CPE = C_{EB} + C_{WZB}$

$$C_{EB} = \frac{DP - (E - \text{max. depth})}{V_c} = \frac{a}{V_c} \qquad C_{WZB} = (h - \text{max. depth})\left(\frac{1}{V_c} - \frac{1}{V_0}\right)$$

(3) Total correction

$\Sigma C = CPE + CS + VT$

C.G.G. 5-59

Line : ... SURVEY : ...
Shot point : ... Party : ...
Client : ...

Tape No. ... Charge : ...
Shot No. ... Filter : HS-14-20-28 [1] [2]
Date ... A.G.C. : slow, med., fast.
Geoph./trace ... Expander Gi ... Po ... R ...
Offset → ... Suppressor Gi ... Gf ... R ... ←

Remarks : ...

PLAYBACK

Playback No. ...
L.C. ...
Filters H.C. ...
Pen gain : ...
Play gain : ...
A.G.C. : O, slow, med., fast

V calcul. :
V adopt. :
Remarks :

Elev. { hole E_H ... geoph. E_G ... D.P. ... D.P. ...
Max. depth ... Min. ...
$a =$ ... $b =$ ...
$CPE = \frac{a}{V_c} =$ ... $CS = \frac{b}{V_c} =$ ...

	CPE	CS + VT	Σ C	CT	ΣCF	Holes
Sup.						
Mid.						
Inf.						

Tie ... D = ... d = ...

S P

6	5	4	3	2	1																		
12	11	10	9	8	7	6	5	4	3	2	1												
						12	11	10	9	8	7	6	5	4	3	2	1						
												12	11	10	9	8	7	6	5	4	3	2	1
																		12	11	10	9	8	7
24	23	22	21	20	19	18	17	16	15	14	13												

D = ... Z = ...
D = ... Z = ...

Tie ... D = ... d = ...