

20TH OCTOBER 1959
P.O. Box 2
GREEN BANK, WEST VIRGINIA

MR. DOAK C. COX
EXPERIMENT STATION
H.S.P.A.
HONOLULU 14, HAWAII

DEAR DOAK:

MANY THANKS FOR YOUR GOOD LETTER OF THE 12TH. IT IS CERTAINLY PLEASANT TO HEAR FROM YOU AGAIN. I HAVE ALSO RECEIVED A FAN-MAIL LETTER FROM HAROLD S. PALMER WHO SEEMS INTERESTED IN THIS SUBJECT. YOU TWO OUGHT TO GET TOGETHER. HE HAS SOME VERY INTERESTING COMMENTS FROM JOHN F.G.STOKES.

I AGREE THAT ASSOCIATING THE 1938 QUAKE WITH THE LAVA FLOW AT PINOE IS SOMEWHAT A STRETCH OF THE IMAGINATION. HOWEVER, SOME OTHER GOOD EXPLANATION IS NEEDED TO EXPLAIN THE PRESENCE OF CHARCOAL UNDER THE LAVA. I ALSO COLLECTED A QUANTITY OF WHITE ASH ON THE SURFACE OF THE CHARCOAL AND NEARBY UNDER THE LAVA. IF ANY APPRECIABLE TIME HAD ELAPSED, THIS SOLUBLE MATERIAL WOULD HAVE DISAPPEARED.

THE MAIN PINOE CONE IS VERY OLD AND WIND ERODED. ALSO THE OLD LAVA IS OXIDIZED AND CRUMBLING WITH A QUITE RED-BROWN COLOR. HOWEVER THERE ARE ALSO SOME NEW SMALL FLOWS WHICH COVER ONLY A FEW TENS OF ACRES OR LESS. THESE ARE BLACK, VERY ROUGH AND SHARP. NONE OF THESE NEW FLOWS REACH THE SEA. I CLIMBED TO THE TOP OF THE CONE. THE WHOLE AREA SOUTH OF THE CONE IS A VERY COMPLICATED AFFAIR WITH MANY FLOWS OVER ONE ANOTHER WITH QUITE DIFFERENT COLORING. THE FLOW I PICKED THE CARBON FROM COMES OUT AT THE EDGE OF THE GRASS WITH A VERY SHARP DEMARKATION BETWEEN FLOW AND GRASS.

ON THE 12TH I LEAVE HERE FOR SIX MONTHS IN AUSTRALIA. MY PLANE ONLY STOPS BRIEFLY IN HONOLULU BETWEEN 4:00 & 5:30AM HOWEVER I WILL BE BACK ON MAUI DURING MARCH & APRIL 1960. HOW ABOUT SETTING ASIDE A FEW DAYS AND COMING OER TO MAUI? WE WILL SEARCH THE BACK OF HALEAKALA AGAIN & I'LL SHOW TO YOU THE POINTS OF INTEREST.

VERY BEST REGARDS,

Grote
GROTE REBER

sent
2 Soil Geology Sept 59
1 JGR Mar 59
1 RE Jan + July 59
AMM Mar 59